

APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C9
CURRENT APPLICATION NUMBER: US/09/978,192A
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/918565
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Query Match 100.0%; Score 1191; DB 9; Length 224;
Best Local Similarity 100.0%; Pred. No. 8.9e-123;
Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 121 VGSCFLTNOMAVTNPDVAVGADSVRAATFSFFSIFSMGVLASLAVQRYKAGVDFTON 180
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DB 121 VGSCFLTNOMAVTNPDVAVGADSVRAATFSFFSIFSMGVLASLAVQRYKAGVDFTON 180
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QY 181 YVDPFTDPNTAVASYPGASVDNYQOPPTQNAETTEGYQPPVY 224
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DB 181 YVDPFTDPNTAVASYPGASVDNYQOPPTQNAETTEGYQPPVY 224
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RESULT 4
US-09-999-832A-162
Sequence 162, Application US/09999832A
Publication No. US20020192706A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Garber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
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APPLICANT: Kuo, Sophia S.

APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Peoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: F2630P163
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Query Match 100.0%; Score 1191; DB 9; Length 224;
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Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 5
US-09-978-189-162
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GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
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APPLICANT: Gerber, Hanspeter
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APPLICANT: Roy, Margaret Ann
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acid Encoding the Same
FILE REFERENCE: P2630PIC7
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PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085582
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085700
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085689
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085580
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

```

```

Query Match 100.0%; Score 1191; DB 10; Length 224;
Best Local Similarity 100.0%; Pred. No. 8,9e-123;
Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 MESSAGYGAAXGSGFDLRRLTQPOVVARAVCLVFLVFCIYGEYSNAHESKQMCV 60
DB 1 MESSAGYGAAXGSGFDLRRLTQPOVVARAVCLVFLVFCIYGEYSNAHESKQMCV 60
QY 61 FNRNEDACRYSAGIAGVLAFLASAFLLVVDAYFPQISNATDKRYLVIGDLFSALMTFLMF 120
DB 61 FNRNEDACRYSAGIAGVLAFLASAFLLVVDAYFPQISNATDKRYLVIGDLFSALMTFLMF 120
QY 121 VGFCFLTNQMAVTNPKDVLVGADSVRAAITFSFISFGVSLAYQRYKAGVDDFIQ 180
DB 121 VGFCFLTNQMAVTNPKDVLVGADSVRAAITFSFISFGVSLAYQRYKAGVDDFIQ 180
QY 121 VGFCFLTNQMAVTNPKDVLVGADSVRAAITFSFISFGVSLAYQRYKAGVDDFIQ 180
DB 121 VGFCFLTNQMAVTNPKDVLVGADSVRAAITFSFISFGVSLAYQRYKAGVDDFIQ 180
QY 181 YVDPPTDPNTAYASYPGASVDNYQOPPTQNAETTEGYQPPVY 224
DB 181 YVDPPTDPNTAYASYPGASVDNYQOPPTQNAETTEGYQPPVY 224

```

RESULT 6

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US-09-978-608A-162
; Sequence 162, Application US/09978608A
; Publication No. US20030045462A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman

```

```

APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630PIC22
CURRENT FILING DATE: 2001-10-16
NUMBER OF SEQ ID NOS: 624
Prior Application removed - See File Wrapper or Palm
SEQ ID NO 162
LENGTH: 224
TYPE: PRT
ORGANISM: Homo sapiens
US-09-978-608A-162

```

```

Query Match 100.0%; Score 1191; DB 10; Length 224;
Best Local Similarity 100.0%; Pred. No. 8,9e-123;
Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 MESSAGYGAAXGSGFDLRRLTQPOVVARAVCLVFLVFCIYGEYSNAHESKQMCV 60
DB 1 MESSAGYGAAXGSGFDLRRLTQPOVVARAVCLVFLVFCIYGEYSNAHESKQMCV 60
QY 61 FNRNEDACRYSAGIAGVLAFLASAFLLVVDAYFPQISNATDKRYLVIGDLFSALMTFLMF 120
DB 61 FNRNEDACRYSAGIAGVLAFLASAFLLVVDAYFPQISNATDKRYLVIGDLFSALMTFLMF 120
QY 121 VGFCFLTNQMAVTNPKDVLVGADSVRAAITFSFISFGVSLAYQRYKAGVDDFIQ 180
DB 121 VGFCFLTNQMAVTNPKDVLVGADSVRAAITFSFISFGVSLAYQRYKAGVDDFIQ 180
QY 181 YVDPPTDPNTAYASYPGASVDNYQOPPTQNAETTEGYQPPVY 224
DB 181 YVDPPTDPNTAYASYPGASVDNYQOPPTQNAETTEGYQPPVY 224

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RESULT 7

```

US-09-978-585A-162
; Sequence 162, Application US/09978585A
; Publication No. US20030049633A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.

```

```

APPLICANT: Hillan, Kenneth J
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pann, James
APPLICANT: Pann, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C15
CURRENT APPLICATION NUMBER: US/09/978,585A
CURRENT FILING DATE: 2001-10-16
NUMBER OF SEQ ID NOS: 624
Prior Application removed - See File Wrapper or Palm
SEQ ID NO 162
LENGTH: 224
TYPE: PRT
ORGANISM: Homo sapiens
US-09-978-585A-162

```

```

Query Match      100.0% Score 1191; DB 10; Length 224;
Best Local Similarity 100.0%; Pred. No. 8,9e-123;
Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MESGAYGAAKAGSGSFDLRFLTPQVAVARAVCLVFAIVFSCIVGEGYSNAHESKQMYCV 60
DB 1 MESGAYGAAKAGSGSFDLRFLTPQVAVARAVCLVFAIVFSCIVGEGYSNAHESKQMYCV 60
QY 61 FRRNDACRYGSAIGVLAFLASAFELVVDAYFPOISNATDKRYVIGDILFSAITFLWF 120
DB 61 FRRNDACRYGSAIGVLAFLASAFELVVDAYFPOISNATDKRYVIGDILFSAITFLWF 120
QY 121 VGFCELTNQMAVTNPKVDVVGADSVRAAIFTSFISFGVLAISLARYKAGVDDFLON 180
DB 121 VGFCELTNQMAVTNPKVDVVGADSVRAAIFTSFISFGVLAISLARYKAGVDDFLON 180
QY 121 VGFCELTNQMAVTNPKVDVVGADSVRAAIFTSFISFGVLAISLARYKAGVDDFLON 180
DB 121 VGFCELTNQMAVTNPKVDVVGADSVRAAIFTSFISFGVLAISLARYKAGVDDFLON 180
QY 181 YVDPPTDPTATAYSGASVDNYQOPPTQNAETEGYQPPVY 224
DB 181 YVDPPTDPTATAYSGASVDNYQOPPTQNAETEGYQPPVY 224

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RESULT 8
US-09-978-191A-162
Sequence 162, Application US/09978191A
Publication No. US20030050239A1
GENERAL INFORMATION:

```

APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desmoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvarolt, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertlsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pann, James
APPLICANT: Pann, Nicholas F.
APPLICANT: Roy, Margaret Ann

```

```

APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C14
CURRENT APPLICATION NUMBER: US/09/978,191A
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-20
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PRIOR APPLICATION NUMBER: 60/078939
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PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080333
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334

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; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/084070
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/084049
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; PRIOR FILING DATE: 1998-04-08
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; PRIOR FILING DATE: 1998-04-15
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; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082568
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082569
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082704
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082700
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082796
; PRIOR FILING DATE: 1998-04-23
; PRIOR APPLICATION NUMBER: 60/083336
; PRIOR FILING DATE: 1998-04-27
; PRIOR APPLICATION NUMBER: 60/083322
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; PRIOR FILING DATE: 1998-04-29
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; PRIOR APPLICATION NUMBER: 60/083558
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083559
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083500
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083742
; PRIOR FILING DATE: 1998-04-30
; PRIOR APPLICATION NUMBER: 60/08366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084637
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07

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; PRIOR APPLICATION NUMBER: 60/084598
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084627
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085339
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

```

```

Query Match 100.0%; Score 1191; DB 10; Length 224;
Best Local Similarity 100.0%; Pred. No. 8.9e-123;
Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 MSGGAYGAKKAGSGPRLRFLTOPVAVAVGLVFLALIVESCITYGSGYNAHESKOMYCV 60
DB 1 MSGGAYGAKKAGSGPRLRFLTOPVAVAVGLVFLALIVESCITYGSGYNAHESKOMYCV 60
QY 61 FNNEDACRYGSAIGVLAFLASAFPLVVDAYPPOISNATDRKYLVIIGDLLFSAWTFWLF 120
DB 61 FNNEDACRYGSAIGVLAFLASAFPLVVDAYPPOISNATDRKYLVIIGDLLFSAWTFWLF 120
QY 121 VGFCELTNGWATNPNPDVTVGADSVRAATFSFISFSGVLAISLAKYKXKGVDFION 180
DB 121 VGFCELTNGWATNPNPDVTVGADSVRAATFSFISFSGVLAISLAKYKXKGVDFION 180
QY 181 YVDPEDPNTAYASYPGASVDNYQPPPTONALTEGTYOPPPVY 224
DB 181 YVDPEDPNTAYASYPGASVDNYQPPPTONALTEGTYOPPPVY 224

```

```

RESULT 9
US-09-978-403A-162
; Sequence 162, Application US/09978403A
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Destoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Wally E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gueney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.

```

APPLICANT: Kuo, Sophia S.
 APPLICANT: Napier, Mary A.
 APPLICANT: Pan, James
 APPLICANT: Paoli, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Shelton, David L.
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 TITLE OF INVENTION: Acids Encoding the Same
 FILE REFERENCE: P2630PLC17
 CURRENT APPLICATION NUMBER: US/09/978,403A
 PRIOR FILING DATE: 2002-03-19
 PRIOR APPLICATION NUMBER: 09/918585
 PRIOR FILING DATE: 2001-07-30
 PRIOR APPLICATION NUMBER: 60/062250
 PRIOR FILING DATE: 1997-10-17
 PRIOR APPLICATION NUMBER: 60/064249
 PRIOR FILING DATE: 1997-11-03
 PRIOR APPLICATION NUMBER: 60/065311
 PRIOR FILING DATE: 1997-11-13
 PRIOR APPLICATION NUMBER: 60/066364
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 PRIOR APPLICATION NUMBER: 60/07450
 PRIOR FILING DATE: 1998-03-10
 PRIOR APPLICATION NUMBER: 60/077632
 PRIOR FILING DATE: 1998-03-11
 PRIOR APPLICATION NUMBER: 60/077641
 PRIOR FILING DATE: 1998-03-11
 PRIOR APPLICATION NUMBER: 60/077649
 PRIOR FILING DATE: 1998-03-11
 PRIOR APPLICATION NUMBER: 60/077791
 PRIOR FILING DATE: 1998-03-12
 PRIOR APPLICATION NUMBER: 60/078004
 PRIOR FILING DATE: 1998-03-13
 PRIOR APPLICATION NUMBER: 60/078886
 PRIOR FILING DATE: 1998-03-20
 PRIOR APPLICATION NUMBER: 60/078936
 PRIOR FILING DATE: 1998-03-20
 PRIOR APPLICATION NUMBER: 60/078910
 PRIOR FILING DATE: 1998-03-20
 PRIOR APPLICATION NUMBER: 60/078939
 PRIOR FILING DATE: 1998-03-20
 PRIOR APPLICATION NUMBER: 60/079294
 PRIOR FILING DATE: 1998-03-25
 PRIOR APPLICATION NUMBER: 60/079656
 PRIOR FILING DATE: 1998-03-26
 PRIOR APPLICATION NUMBER: 60/079664
 PRIOR FILING DATE: 1998-03-27
 PRIOR APPLICATION NUMBER: 60/079689
 PRIOR FILING DATE: 1998-03-27
 PRIOR APPLICATION NUMBER: 60/079663
 PRIOR FILING DATE: 1998-03-27
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 PRIOR FILING DATE: 1998-03-27
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 PRIOR FILING DATE: 1998-03-27
 PRIOR APPLICATION NUMBER: 60/079920
 PRIOR FILING DATE: 1998-03-30
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 PRIOR FILING DATE: 1998-03-30
 PRIOR APPLICATION NUMBER: 60/080105
 PRIOR FILING DATE: 1998-03-31
 PRIOR APPLICATION NUMBER: 60/080107
 PRIOR FILING DATE: 1998-03-31
 PRIOR APPLICATION NUMBER: 60/080165
 PRIOR FILING DATE: 1998-03-31
 PRIOR APPLICATION NUMBER: 60/080194
 PRIOR FILING DATE: 1998-03-31
 PRIOR APPLICATION NUMBER: 60/080327
 PRIOR FILING DATE: 1998-04-01

PRIOR APPLICATION NUMBER: 60/080328
 PRIOR FILING DATE: 1998-04-01
 PRIOR APPLICATION NUMBER: 60/080333
 PRIOR FILING DATE: 1998-04-01
 PRIOR APPLICATION NUMBER: 60/080334
 PRIOR FILING DATE: 1998-04-01
 PRIOR APPLICATION NUMBER: 60/081070
 PRIOR FILING DATE: 1998-04-08
 PRIOR APPLICATION NUMBER: 60/081049
 PRIOR FILING DATE: 1998-04-08
 PRIOR APPLICATION NUMBER: 60/081071
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 PRIOR FILING DATE: 1998-04-15
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 PRIOR FILING DATE: 1998-04-21
 PRIOR APPLICATION NUMBER: 60/082569
 PRIOR FILING DATE: 1998-04-21
 PRIOR APPLICATION NUMBER: 60/082704
 PRIOR FILING DATE: 1998-04-22
 PRIOR APPLICATION NUMBER: 60/082804
 PRIOR FILING DATE: 1998-04-22
 PRIOR APPLICATION NUMBER: 60/082700
 PRIOR FILING DATE: 1998-04-22
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 PRIOR APPLICATION NUMBER: 60/083322
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 PRIOR APPLICATION NUMBER: 60/084637

;; PRIOR FILING DATE: 1998-05-07
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;; PRIOR APPLICATION NUMBER: 60/085339
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085338
;; PRIOR FILING DATE: 1998-05-13
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;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697
;;
Query Match 100.0%; Score 1191; DB 10; Length 224;
Best Local Similarity 100.0%; Pred. No. 8,9e-123;
Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MESGAYGAAKAGSGSDLRFLTPQVAVARAVCLVFALIVFSCITGEGYSNAHESKQWYCV 60
DB 1 MESGAYGAAKAGSGSDLRFLTPQVAVARAVCLVFALIVFSCITGEGYSNAHESKQWYCV 60
QY 61 FRNEDACRYGSAIGVLAFLASAFVLVDAYVPOISNATDKRYVITGDLFSALMTLWF 120
DB 61 FRNEDACRYGSAIGVLAFLASAFVLVDAYVPOISNATDKRYVITGDLFSALMTLWF 120
QY 121 VGFCELTQWAVTNKDYLVGADSVRAAITFSFISFGVLIASLAVORYAGVDDFIQN 180
DB 121 VGFCELTQWAVTNKDYLVGADSVRAAITFSFISFGVLIASLAVORYAGVDDFIQN 180
QY 181 YVDPPTDPTVAYASVPGASVDNYQOPPTONAETTEGYPVY 224
DB 181 YVDPPTDPTVAYASVPGASVDNYQOPPTONAETTEGYPVY 224
RESULT 10
US-09-978-564A-162
; Sequence 162, Application US/09978564A
; Publication No. US20030050241A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, Audrey

;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Grimaldi, U. Christopher
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Hillan, Kenneth J.
;; APPLICANT: Kljavin, Ivar J.
;; APPLICANT: Kuo, Sophia S.
;; APPLICANT: Napier, Mary A.
;; APPLICANT: Pan, James
;; APPLICANT: Paoni, Nicholas F.
;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Shelton, David L.
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William T.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630PIC25
CURRENT APPLICATION NUMBER: US/09/978,564A
CURRENT FILING DATE: 2001-10-16
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
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PRIOR FILING DATE: 1998-03-11
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PRIOR FILING DATE: 1998-03-31
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PRIOR FILING DATE: 1998-04-29
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PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1191; DB 10; Length 224;
Best Local Similarity 100.0%; Pred. No. 8,9e-123;
Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MESAAGAAKAGSGSDIRRFITQPOVARAVCTVAFALIVFSGTVEGYSNAHESKOMCV 60
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QY 121 VGFCELTQOMAVTNPRDVLVAGDSVRAAITTSFBSIFSGVTLASLXQRYRAGVDDFTON 180
DB 121 VGFCELTQOMAVTNPRDVLVAGDSVRAAITTSFBSIFSGVTLASLXQRYRAGVDDFTON 180
QY 181 YVDPEDPNTAYASYGASVDNYQOPPTQNAETTEGYQPPVY 224
DB 181 YVDPEDPNTAYASYGASVDNYQOPPTQNAETTEGYQPPVY 224

RESULT 11
US-09-999-833A-162
Sequence 162, Application US/09999833A
Publication No. US20030054405A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen

APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Getter, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, J. Christopher
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth J.
 APPLICANT: Kijavini, Ivar J.
 APPLICANT: Kuo, Sophia S.
 APPLICANT: Napier, Mary A.
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Shelton, David L.
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 TITLE OF INVENTION: Secretd and Transmembrane Polypeptides and Nucleic
 FILE REFERENCE: P2630P1C5
 CURRENT APPLICATION NUMBER: US/09/999,833A
 PRIOR FILING DATE: 2001-10-24
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PRIOR FILING DATE: 1998-04-29
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PRIOR FILING DATE: 1998-05-05
PRIOR APPLICATION NUMBER: 60/084414
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PRIOR FILING DATE: 1998-05-07
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PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084640
PRIOR FILING DATE: 1998-05-07
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PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084643
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
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PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
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Query Match 100.0%; Score 1191; DB 10; Length 224;
Best Local Similarity 100.0%; Pred. No. 8.9e-123;
Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSGGAYGAKAGSGSPDLRFLTPQVVARAVCLVPLVIFSCITGEGYSNAHESKQWYCV 60
DB 1 MSGGAYGAKAGSGSPDLRFLTPQVVARAVCLVPLVIFSCITGEGYSNAHESKQWYCV 60
QY 61 FNRNEDACRYGSAIGVLAFLASAFLLVVDAYFPQISNATDKRYLVIGDLFLSALMTPLWF 120
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QY 181 YVDFPDPNTAYASYPGASVDNYQOPPTONNETEGYQPPVY 224
DB 181 YVDFPDPNTAYASYPGASVDNYQOPPTONNETEGYQPPVY 224

RESULT 12
US-09-981-915A-162
Sequence 162, Application US/09981915A
Publication No. US2003005486A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.

APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James J.
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Thomas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C12
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: US/09/981,915A
PRIOR FILING DATE: 2001-07-30
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 PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1191; DB 10; Length 224;
 Best Local Similarity 100.0%; Pred. No. 8.9e-123;
 Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 QY 61 FNRNEDACRYGSAIGVLAFLASAFPLVVDAYFPQISNATDRKXLYTIGLLFSALMTFLMF 120
 DB 61 FNRNEDACRYGSAIGVLAFLASAFPLVVDAYFPQISNATDRKXLYTIGLLFSALMTFLMF 120
 QY 121 VGFCFLTNQMAVTNPKDVLVAGDSVRAAITSFSPFISPMGVLASIAYORYKAGVDDFTON 180
 121 VGFCFLTNQMAVTNPKDVLVAGDSVRAAITSFSPFISPMGVLASIAYORYKAGVDDFTON 180
 DB 121 VGFCFLTNQMAVTNPKDVLVAGDSVRAAITSFSPFISPMGVLASIAYORYKAGVDDFTON 180
 QY 181 YVDPPTDPNTAYASYPGASVDNYQPPPTONAEETEGYQPPVY 224
 181 YVDPPTDPNTAYASYPGASVDNYQPPPTONAEETEGYQPPVY 224
 DB 181 YVDPPTDPNTAYASYPGASVDNYQPPPTONAEETEGYQPPVY 224
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 US-09-978-824-162

/ Sequence 162, Application US/09978824
/ Publication No. US20030055216A1
/ GENERAL INFORMATION:
/ APPLICANT: Ashkenazi, Avi
/ APPLICANT: Baker Kevin P.
/ APPLICANT: Botstein, David
/ APPLICANT: Destrover, Luc
/ APPLICANT: Eaton, Dan
/ APPLICANT: Ferrara, Napoleon
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gong, Sherman
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerber, Hanspeter
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, J. Christopher
/ APPLICANT: Guirney, Austin L.
/ APPLICANT: Hillan, Kenneth J.
/ APPLICANT: Kijavitt, Ivar J.
/ APPLICANT: Kuo, Sophia S.
/ APPLICANT: Napier, Mary A.
/ APPLICANT: Pan, James;
/ APPLICANT: Paoni, Nicholas F.
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Shelton, David L.
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Thomas, Daniel
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William I.
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ FILE REFERENCE: P2630P1C14
/ CURRENT APPLICATION NUMBER: US/09/978,824
/ PRIOR FILING DATE: 2001-10-17
/ PRIOR APPLICATION NUMBER: 09/918585
/ PRIOR FILING DATE: 2001-07-30
/ PRIOR APPLICATION NUMBER: 60/062250
/ PRIOR FILING DATE: 1997-10-17
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Query Match 100.0%; Score 1191; DB 10; Length 224;
Best Local Similarity 100.0%; Pred. No. 8.9e-123;
Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 181 YVDFPDPNTAVASYPGASVDNYQOPFTQNAETTEGQPPPVY 224
RESULT 14
US-09-918-585a-162
Sequence 162, Application US/09918585A
Publication No. US20030060406A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
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APPLICANT: Kijawin, Ivar J.
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APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C1
CURRENT APPLICATION NUMBER: US/09/918,585A
CURRENT FILING DATE: 2001-07-30
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;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/086023

Query Match 100.0%; Score 1191; DB 10; Length 224;
Best Local Similarity 100.0%; Freq. No. 8.9e-123; Indels 0; Gaps 0;
Matches 224; Conservative 0; Mismatches 0;

Qy 1 MESGAYGAAGAGSGFDRRFLTPQVVAARVCLVFAIVFSCTYGEYSNAHESKQMYCV 60
Db 1 MESGAYGAAGAGSGFDRRFLTPQVVAARVCLVFAIVFSCTYGEYSNAHESKQMYCV 60
Qy 61 FNNEDACRYGSAIGTATLASAFPLVNDAYFPQISNADRKYIVTGILTFEALMTFLMF 120
Db 61 FNNEDACRYGSAIGTATLASAFPLVNDAYFPQISNADRKYIVTGILTFEALMTFLMF 120
Qy 121 VGFCFLTNQMAVTNPXDVLVGADSVRAAITFSFISFGWGLASLAYSORRYKAGVDPIFN 180

Fri Apr 9 09:24:00 2004

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Page 21

Db 121 VGFCELTQWATNPKDVLVGADSVRAALITFSFETFSWGLASLARYRAGVDDPQN 180
QY 181 YVDFPDNTATYASVFGASVDNYQOPPTQNAETTEGYPV 224
Db 181 YVDFPDNTATYASVFGASVDNYQOPPTQNAETTEGYPV 224

RESULT 15
US-09-978-423A-162
Sequence 162, Application US/09978423A
Publication No. US20030069178A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Borstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
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APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
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APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C21
CURRENT APPLICATION NUMBER: US/09/978, 423A
CURRENT FILING DATE: 2002-05-16
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
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PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078004
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 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085573
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085704
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1191; DB 10; Length 224;
 Best Local Similarity 100.0%; Pred. No. 8.9e-123;
 Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MESGAYGAKAGSGSFLRFLTOPGVVARAVCLVPAIVFSCITGEGVSNHESKQMYCV 60
 DB 1 MESGAYGAKAGSGSFLRFLTOPGVVARAVCLVPAIVFSCITGEGVSNHESKQMYCV 60

QY 61 FNRNEDACRYGSAIGVLAFLASAFPLVVDAYFPQISNATDKKLYVIGDLLFSALMTFLMF 120
 DB 61 FNRNEDACRYGSAIGVLAFLASAFPLVVDAYFPQISNATDKKLYVIGDLLFSALMTFLMF 120
 QY 121 VGFCFLTNOMAVTNPKDVLVGADSVRAAITFSFIFSMGVLASIAYORXAGYCDFTION 180
 DB 121 VGFCFLTNOMAVTNPKDVLVGADSVRAAITFSFIFSMGVLASIAYORXAGYCDFTION 180
 QY 181 YVDPDPDPTAVASYPGASVDNYQPPPTONAETTEGYQPPPVY 224
 DB 181 YVDPDPDPTAVASYPGASVDNYQPPPTONAETTEGYQPPPVY 224

Search completed: April 7, 2004, 11:59:54
 Job time : 44 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 7, 2004, 11:49:59 ; Search time 61 Seconds
1037.551 Million cell updates/sec

Title: US-10-020-445A-162
Perfect score: 1191
Sequence: 1 MESSAGYAGAAAGSGFDLRRF.....QPPTONAEETEGYQPPVY 224

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1586107 seqs, 282547505 residues
Total number of hits satisfying chosen parameters: 1586107

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : A_Geneseq_29Jan04.*
1: Geneseqp1980s.*
2: Geneseqp1990s.*
3: Geneseqp2000s.*
4: Geneseqp2001s.*
5: Geneseqp2002s.*
6: Geneseqp2003as.*
7: Geneseqp2003bs.*
8: Geneseqp2004s.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1191	100.0	224	2	AAV41709 Human PRO
2	1191	100.0	224	3	AB44265 Human PRO
3	1191	100.0	224	3	AB24048 Human PRO
4	1191	100.0	224	4	AB64533 Gene 45 h
5	1191	100.0	224	6	AB025211 Novel hum
6	1191	100.0	224	6	ABU72217 Novel hum
7	1191	100.0	224	6	ABU84897 Human sec
8	1191	100.0	224	6	ABU61095 Human PRO
9	1191	100.0	224	6	ABU80364 Human sec
10	1191	100.0	224	6	ADA24701 Novel hum
11	1191	100.0	224	6	AB019666 Novel hum
12	1191	100.0	224	6	ADA13362 Human sec
13	1191	100.0	224	6	AB019557 Novel hum
14	1191	100.0	224	7	ADB73668 Human PRO
15	1191	100.0	224	7	ADB76384 Human PRO
16	1191	100.0	224	7	ADC43810 Human sec
17	1191	100.0	224	7	ADC61570 Human sec
18	1191	100.0	224	7	ADC63534 Human sec
19	1191	100.0	224	7	ADC66634 Human sec
20	1191	100.0	224	7	ADC68758 Human sec
21	1191	100.0	224	7	ADC62818 Human sec
22	1191	100.0	224	7	ADC67883 Human sec
23	1191	100.0	224	7	ADC41203 Human sec
24	1191	100.0	224	7	ADC67258 Human sec
25	1191	100.0	224	7	ADC62194 Human sec

26	1191	100.0	224	7	ADC41827
27	1191	100.0	224	7	ADD45142
28	1191	100.0	224	7	AD54986
29	1191	100.0	224	7	AD549196
30	1191	100.0	224	7	AD535250
31	1191	100.0	224	7	AD516364
32	1191	100.0	224	7	ADD72979
33	1191	100.0	224	7	ADD72337
34	1191	100.0	224	7	AD516988
35	1191	100.0	224	8	AD548496
36	1191	100.0	224	8	AD589597
37	1185	99.5	224	2	AAW36516
38	1184	99.4	224	4	AAW64466
39	1184	99.4	224	4	AAW64540
40	1184	99.4	240	3	AAW43978
41	1141.5	95.8	233	4	ABG22771
42	1055	88.6	234	7	AD54984
43	1055	88.6	234	7	ADD45140
44	856	71.9	164	3	AAW51880
45	735	61.7	162	3	AAW51881

ALIGNMENTS

RESULT 1	AAV41709	AAV41709 standard; protein; 224 AA.
ID	AAV41709	
XX	AAV41709;	
AC		
XX		
DT	07-DEC-1999	(first entry)
XX		
DE	Human PRO615 protein sequence.	
XX		
KW	Human; PRO; EST; expressed sequence tag; PCR primer; hybridisation; probe; blood coagulation disorder; cancer; cellular adhesion disorder; secreted protein; transmembrane protein.	
XX		
OS	Homo sapiens.	
XX		
PN	WO9946281-A2.	
XX		
PD	16-SEP-1999.	
XX		
PF	08-MAR-1999;	99MO-US005028.
XX		
PR	10-MAR-1998;	98US-0077450P.
PR	11-MAR-1998;	98US-0077632P.
PR	11-MAR-1998;	98US-0077641P.
PR	11-MAR-1998;	98US-0077649P.
PR	12-MAR-1998;	98US-0077791P.
PR	13-MAR-1998;	98US-0078004P.
PR	17-MAR-1998;	98US-00040220.
PR	20-MAR-1998;	98US-0078886P.
PR	20-MAR-1998;	98US-0078910P.
PR	20-MAR-1998;	98US-0078936P.
PR	20-MAR-1998;	98US-0078939P.
PR	25-MAR-1998;	98US-0078294P.
PR	26-MAR-1998;	98US-0079656P.
PR	27-MAR-1998;	98US-0079663P.
PR	27-MAR-1998;	98US-0079664P.
PR	27-MAR-1998;	98US-0079689P.
PR	27-MAR-1998;	98US-0079728P.
PR	27-MAR-1998;	98US-0079786P.
PR	30-MAR-1998;	98US-0079920P.
PR	30-MAR-1998;	98US-0079923P.
PR	31-MAR-1998;	98US-0080105P.
PR	31-MAR-1998;	98US-0080107P.
PR	31-MAR-1998;	98US-0080165P.
PR	31-MAR-1998;	98US-0080194P.
PR	01-APR-1999;	98US-0080327P.
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 PR 08-APR-1998; 98US-0081049P.
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 PR 09-APR-1998; 98US-0081195P.
 PR 09-APR-1998; 98US-0081203P.
 PR 09-APR-1998; 98US-0081229P.
 PR 15-APR-1998; 98US-0081817P.
 PR 15-APR-1998; 98US-0081838P.
 PR 15-APR-1998; 98US-0081952P.
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 PR 21-APR-1998; 98US-0082568P.
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 PR 22-APR-1998; 98US-0082700P.
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 PR 23-APR-1998; 98US-0082767P.
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 PR 27-APR-1998; 98US-0083333P.
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 PR 05-MAY-1998; 98US-0084366P.
 PR 06-MAY-1998; 98US-0084414P.
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 PR 07-MAY-1998; 98US-0084598P.
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 PR 15-MAY-1998; 98US-0085689P.
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 PR 18-MAY-1998; 98US-0086023P.
 PR 22-MAY-1998; 98US-0086392P.
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 PR 22-MAY-1998; 98US-0086430P.
 PR 22-MAY-1998; 98US-0086486P.
 PR 28-MAY-1998; 98US-0087098P.
 PR 28-MAY-1998; 98US-0087106P.
 PR 28-MAY-1998; 98US-0087208P.
 PR 30-JUL-1998; 98US-0094651P.
 PR 11-SEP-1998; 98US-0100038P.
 XX (GETH) GENENTECH INC.
 PA Wood WI, Goddard A, Gurney A, Yuan J, Baker KP, Chen J;
 XX MPI: 1999-551558/46.
 XX N-PSDB; AA234027.
 DR New secreted and transmembrane polypeptides and their polynucleotides,
 XX useful for treating blood coagulation disorders, cancers and cellular
 PT adhesion disorders.

XX Claim 12; Fig 61; 530pp; English.
 PS The present invention describes secreted and transmembrane polypeptides
 XX and their polynucleotides. The nucleotide sequences are useful as sources
 CC of probes, primers, for chromosome mapping, and for generation of
 CC antisense sequences. They can also be used to create transgenic animals.
 CC The proteins can be used to treat a variety of diseases and disorders,
 CC depending on their function. Diseases that may be treated include blood
 CC coagulation disorders, cancers and cellular adhesion disorders. They may
 CC also be used to raise antibodies. AA23381 to AA23338, and AA11655 to
 CC AA14174 represent polynucleotide and polypeptide sequence given in the
 CC exemplification of the present invention
 XX
 SQ Sequence 224 AA;
 Query Match 100.0%; Score 1191; DB 2; Length 224;
 Best Local Similarity 100.0%; Pred. No. 1.4e-126; Mismatches 0; Gaps 0;
 Matches 224; Conservative 0; Indels 0; Gaps 0;
 QY 1 MESGAYGAAKAGSGSPDLRRFLTPQVAVAVCLVPAIVFSCTVGEYGNASHSKOMTCV 60
 Db 1 MESGAYGAAKAGSGSPDLRRFLTPQVAVAVCLVPAIVFSCTVGEYGNASHSKOMTCV 60
 QY 61 FNRNEDACRYGSAIGVLAFLAFLVVDAYFPQISNATDRKLYIGDLTPSALMTPLMF 120
 Db 61 FNRNEDACRYGSAIGVLAFLAFLVVDAYFPQISNATDRKLYIGDLTPSALMTPLMF 120
 QY 121 VGFCFLTNOMAVTNPRDVLVGADSVRAAITFSFISFSGVLAISLAYORYKAGVDFTQN 180
 Db 121 VGFCFLTNOMAVTNPRDVLVGADSVRAAITFSFISFSGVLAISLAYORYKAGVDFTQN 180
 QY 181 YVDPTPDPTNTAYASIFGASVDNYQOPPTQNAETEGYQPPVY 224
 Db 181 YVDPTPDPTNTAYASIFGASVDNYQOPPTQNAETEGYQPPVY 224
 RESULT 2
 AAB44265
 ID AAB44265 standard; protein; 224 AA.
 XX
 AC AAB44265;
 XX
 DT 08-FEB-2001 (first entry)
 XX
 DE Human PRO615 (UNQ352) protein sequence SEQ ID NO:162.
 KW Human; secreted protein; transmembrane protein; PRO; EST; cytosolic;
 XX expressed sequence tag; detection; cancer.
 OS Homo sapiens.
 XX
 PN WO200053756-A2.
 XX
 PD 14-SEP-2000.
 XX
 PF 18-FEB-2000; 2000MO-US004341.
 XX
 PR 08-MAR-1999; 99MO-US005028.
 PR 12-MAR-1999; 99US-0123957P.
 PR 29-MAR-1999; 99US-0126773P.
 PR 21-APR-1999; 99US-0130232P.
 PR 28-APR-1999; 99US-0131445P.
 PR 14-MAY-1999; 99US-0134287P.
 PR 23-JUN-1999; 99US-0141037P.
 PR 26-JUL-1999; 99US-0145698P.
 PR 29-OCT-1999; 99US-0162506P.
 PR 30-NOV-1999; 99MO-US028313.
 PR 02-DEC-1999; 99MO-US028551.
 PR 16-DEC-1999; 99MO-US030565.
 PR 30-DEC-1999; 99MO-US031243.
 PR 30-DEC-1999; 99MO-US031274.

AB64539
ID AAB64539 standard; protein, 224 AA.
AC AAB64539;
XX
XX 23-MAR-2001 (first entry)
DE Gene 45 human secreted protein homologous amino acid sequence #177.
XX
XX Human; secreted protein; diagnosis; immunosuppressive; antiarthritic;
KM antithematic; antiproliferative; cytostatic; cardiant; vasotropic;
KM cerebroprotective; nootropic; neuroprotective; antibacterial; virucide;
KM fungicide; ophthalmological; autoimmune disease; rheumatoid arthritis;
KM hyperproliferative disorder; neoplasm; cardiovascular disorder;
KM cardiac arrest; cerebrovascular disorder; cerebral ischaemia; infection;
KM angiogenesis; nervous system disorder; Alzheimer's disease; skin aging;
KM ocular disorder; corneal infection; wound healing; food additive;
KM preservative.
XX
XX Homo sapiens.
XX
XX MO200077255-A1.
XX
XX 21-DEC-2000.
XX
XX 01-JUN-2000; 2000MO-US014926.
XX
XX 11-JUN-1999; 99US-0138628P.
XX
XX (HUMA-) HUMAN GENOME SCI INC.
XX
XX Rosen CA, Ruben SM, Komatsoulis GA;
PI WPI; 2001-025337/03.
XX
XX Isolated nucleic acid molecule encoding a human secreted protein is used
PT in preventing, treating or ameliorating a medical condition.
XX
XX Disclosure, Page 582-583; 593pp; English.
XX
XX The polynucleotide sequences given in AAF32699 to AAF32747 encode the
CC human secreted proteins given in AAB64422 to AAB64470. AAB64471 to
CC AAB64548 represent human secreted polypeptide sequences and proteins
CC homologous to them, which are given in the exemplification of the present
CC invention. Human secreted proteins have activities based on the tissues
CC and cells the genes are expressed in. Examples of activities include:
CC antithematic; immunosuppressive; antithematic; antiproliferative;
CC cytostatic; cardiant; vasotropic; cerebroprotective; nootropic;
CC neuroprotective; antibacterial; virucide; fungicide; and
CC ophthalmological. The polynucleotides and polypeptides can be used to
CC prevent, treat or ameliorate a medical condition in e.g. humans, mice,
CC rabbits, goats, horses, cats, dogs, chickens or sheep. They are also used
CC in diagnosing a pathological condition or susceptibility to a
CC pathological condition. Disorders which are diagnosed or treated include
CC autoimmune diseases e.g. rheumatoid arthritis, hyperproliferative
CC disorders e.g. neoplasms of the breast or liver, cardiovascular disorders
CC e.g. cardiac arrest, cerebrovascular disorders e.g. cerebral ischaemia,
CC angiogenesis, nervous system disorders e.g. Alzheimer's disease,
CC infections caused by bacteria, viruses and fungi and ocular disorders
CC e.g. corneal infection. The polypeptides can also be used to aid wound
CC healing and epithelial cell proliferation, to prevent skin aging due to
CC sunburn, to maintain organs before transplantation, for supporting cell
CC culture of primary tissues, to regenerate tissues and in chemotaxis. The
CC polypeptides can also be used as a food additive or preservative and
CC increase or decrease storage capabilities. AAF32699 to AAF32698 and
CC AAB64421 represent sequences used in the exemplification of the present
CC invention
XX
XX Sequence 224 AA;
SQ

Query Match 100.0%; Score 1191; DB 4; Length 224;
Best Local Similarity 100.0%; Pred. No. 1,4e-128;
Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MESGAYGAARAGSGFDIRREFLTQPOVVARAVCLVPAIIYFSCIYGEQYNAHESKOMYCY 60
DB 1 MESGAYGAARAGSGFDIRREFLTQPOVVARAVCLVPAIIYFSCIYGEQYNAHESKOMYCY 60
QY 61 FNRNEDACRGASIGVAFASAFELVVDAYFPQISNATRKLYIGDLLFSLMTFLMF 120
DB 61 FNRNEDACRGASIGVAFASAFELVVDAYFPQISNATRKLYIGDLLFSLMTFLMF 120
QY 121 VGFCFLTNQAVNTPKXVLVGDVSRATITFSFSSIFSWGLASLAYQRYKAGVDFTON 180
DB 121 VGFCFLTNQAVNTPKXVLVGDVSRATITFSFSSIFSWGLASLAYQRYKAGVDFTON 180
QY 181 YVDETPDPNTAVASYPGASVDNYQOPEFTONMETEGYQPPPY 224
DB 181 YVDETPDPNTAVASYPGASVDNYQOPEFTONMETEGYQPPPY 224

RESULT 5
ABO25211
ID ABO25211 standard; protein, 224 AA.
XX
XX ABO25211;
XX
XX 09-SEP-2003 (first entry)
XX
XX Novel human secreted and transmembrane protein PRO615.
XX
XX Human; secreted and transmembrane protein; PRO; virucide; gene therapy;
XX cell death; growth induction cascade; blood coagulation cascade;
XX viral infection.
XX
XX Homo sapiens.
XX
XX US2003050239-A1.
XX
XX 13-MAR-2003.
XX
XX 15-OCT-2001; 2001US-00978191.
XX
XX 17-OCT-1997; 97US-0062250P.
XX 03-NOV-1997; 97US-0064249P.
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 PR 07-DEC-1998; 98WO-US024855.
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PR 23-DEC-1998; 98US-0113621P.
 PR 03-JAN-1999; 99WO-US000106.
 PR 05-MAR-1999; 99US-00254465.
 PR 08-MAR-1999; 99WO-US005028.
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 PR 30-DEC-1999; 99WO-US031243.
 PR 30-DEC-1999; 99WO-US031274.
 PR 05-JAN-2000; 2000WO-US000219.
 PR 06-JAN-2000; 2000WO-US000277.
 PR 06-JAN-2000; 2000WO-US000376.
 PR 11-FEB-2000; 2000WO-US003565.
 PR 18-FEB-2000; 2000WO-US004341.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 10-MAR-2000; 2000WO-US005841.
 PR 10-MAR-2000; 2000WO-US006319.
 PR 21-MAR-2000; 2000WO-US007532.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 28-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000US-00709238.
 PR 27-NOV-2000; 2000US-00723749.
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 PR 05-JUN-2001; 2001WO-US017800.
 PR 14-JUN-2001; 2001US-00874503.
 PR 19-JUN-2001; 2001US-00882636.
 PR 20-JUN-2001; 2001US-00886342.
 PR 29-JUN-2001; 2001WO-US019682.
 PR 09-JUL-2001; 2001WO-US021066.
 PR 30-JUL-2001; 2001US-00918585.
 PR
 XX
 PA
 PI

(GETH) GENENTECH INC.

Ashkenazi AJ, Baker KP, Botstein D, Desnovers L, Baton DL;

PI Ferrara N, Filvaroff E, Feng S, Gao W, Gerber H, Gerritsen ME;
 Query Match 100.0%; Score 1191; DB 6; Length 224;
 Best Local Similarity 100.0%; Pred. No. 1,4e-128;
 Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 1 MSGGAYGAKAGSGPDLRFLRPOVVARAVCTVFAITVSGTVEGYSNAHESKQWCV 60
 DB 1 MSGGAYGAKAGSGPDLRFLRPOVVARAVCTVFAITVSGTVEGYSNAHESKQWCV 60
 QY 61 FNRNEDACRYGSAIGVLAFLASAFPLVDAYPPOISNATREKVIYIGDLFSALMTPLMF 120
 61 FNRNEDACRYGSAIGVLAFLASAFPLVDAYPPOISNATREKVIYIGDLFSALMTPLMF 120
 DB 61 FNRNEDACRYGSAIGVLAFLASAFPLVDAYPPOISNATREKVIYIGDLFSALMTPLMF 120
 QY 121 VGFCFLTNGMAVTNPQDVVVGADSVRAATTFESFISFGVLAIAVQRYKAGVDDFTCN 180
 121 VGFCFLTNGMAVTNPQDVVVGADSVRAATTFESFISFGVLAIAVQRYKAGVDDFTCN 180
 DB 121 VGFCFLTNGMAVTNPQDVVVGADSVRAATTFESFISFGVLAIAVQRYKAGVDDFTCN 180
 QY 181 YVDPPTDPNTAYASVGSVDNYQOFPFTQNAETTEGYOPPEVY 224
 181 YVDPPTDPNTAYASVGSVDNYQOFPFTQNAETTEGYOPPEVY 224
 DB 181 YVDPPTDPNTAYASVGSVDNYQOFPFTQNAETTEGYOPPEVY 224

RESULT 6
 ABUT2217
 ID ABUT2217 standard; protein; 224 AA.
 XX AC ABUT2217;
 XX DT 16-JUN-2003 (first entry)
 XX DE Novel human secreted and transmembrane protein PRO615.
 XX KM Human; secreted and transmembrane protein; PRO; antiinflammatory;
 KM antiarteriosclerotic; cardiact; anti-infertility; anti-HIV; cytostatic;
 KM antidiabetic; gene therapy; inflammatory disease; organ failure;
 KM atherosclerosis; cardiac injury; infertility; birth defect;
 KM premature aging; AIDS; cancer; diabetic complication; chromosome mapping;
 KM gene mapping; pharmaceutical; diagnostic; biosensor; bioreactor;
 KM tissue typing.
 XX OS Homo sapiens.
 XX PN US2002192706-A1.
 XX PD 19-DEC-2002.
 XX PF 24-OCT-2001; 2001US-0099832.
 XX PR 17-OCT-1997; 97US-0062250P.
 PR 03-NOV-1997; 97US-0064249P.
 PR 13-NOV-1997; 97US-0065311P.
 PR 21-NOV-1997; 97US-0066344P.
 PR 10-MAR-1998; 98US-0077450P.
 PR 11-MAR-1998; 98US-0077632P.
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 PR 16-FEB-2000; 2000MO-US004341.
 PR 24-FEB-2000; 2000MO-US005004.
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 PR 30-MAY-2000; 2000MO-US014941.
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 PR 25-MAY-2001; 2001MO-US017092.
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 PR 20-JUN-2001; 2001MO-US019692.
 PR 29-JUN-2001; 2001MO-US021066.
 PR 09-JUL-2001; 2001MO-US021735.

(GENTH) GENENTECH INC.
 PA Ashkenazi AJ, Baker KP, Bolstein D, Desnoyers L, Eaton DL,
 XX Ferrara N, Filvaroff E, Feng S, Gao W, Gerber H, Gerritsen ME,
 PI Goddard A, Godowski PU, Grimaldi JC, Gurney AL, Hillan KJ,
 PI Kijavitt IU, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL,
 PI Stewart TA, Tumas D, Williams PM, Wood WI,

DR WPI; 2003-328660/31.
DR N-PSDB; ACA63595.
XX
PT New secreted and transmembrane nucleic acids and polypeptides, designated
PT as PRO, useful for treating inflammation, organ failure, atherosclerosis,
PT cardiac injury, infertility, birth defects, premature aging, AIDS, or
PT cancer.
XX
XX Claim 12; Fig 61; 453bp; English.
XX
XX The invention describes an isolated nucleic acid (I) comprising, or which
XX is at least 80 % sequence identity to, or the full-length coding sequence
XX of, any of 118 300-2100 nucleotide sequences, which encodes its
XX corresponding PRO polypeptide selected from 118 100-700 amino acid
XX sequences, all given in the specification. The nucleic acids and
XX polypeptides are useful for treating inflammatory diseases, organ
XX failure, atherosclerosis, cardiac injury, infertility, birth defects,
XX premature aging, AIDS, cancer, or diabetic complications. The nucleic
XX acids are useful as hybridisation probes, in chromosome and gene mapping,
XX and in generating antisense RNA or DNA. The polypeptides are useful as
XX pharmaceuticals, diagnostics, biosensors or bioreactors. Both are useful
XX in tissue typing. This is the amino acid sequence of a novel human
XX secreted and transmembrane PRO polypeptide
XX
SQ Sequence 224 AA;
Query Match 100.0%; Score 1191; DB 6; Length 224;
Best Local Similarity 100.0%; Pred. No. 1,4e-128;
Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 61 FNRNEDACRYGSAIGVLAFLASAFVLVDAYFPOISNATDRKYLVIDLLFSALMTLWF 120
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DB 121 VGFCFLTNQAVNTYKQVLYGADSVRAITFSFISISWGLASLAQRYKAGVDPTQN 180
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ID ABU84897 standard; protein; 224 AA.
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XX ABU84897;
XX
XX 12-AUG-2003 (first entry)
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XX Human secreted and transmembrane polypeptide PRO615.
XX
XX Human; thrombolytic agent; interferon; interleukin; cytokine;
XX erythropoietin; colony stimulating factor; cancer; colorectal carcinoma;
XX apoptosis related condition; AIDS; amyotrophic lateral sclerosis;
XX inflammatory disease; asthma; atherosclerosis; neurodegenerative disease;
XX gastrointestinal disorder; Alzheimer's disease; Parkinson's disease;
XX hypertension; myocardial ischaemia; kidney disease; carcinogenesis;
XX glomerulonephritis; lung disease; pulmonary hypertension; preeclampsia;
XX bronchial asthma; gastric ulcer; renal failure; cardiovascular disease;
XX inflammatory bowel disease; reproductive disorder; premature labour.
XX
XX Homo sapiens.
XX
XX OS
XX PN US2002177553-A1.
XX
XX PD 28-NOV-2002.
XX

PF 15-OCT-2001; 2001US-00978192.
XX
PR 17-OCT-1997; 97US-0062250P.
PR 03-NOV-1997; 97US-0064424P.
PR 13-NOV-1997; 97US-0065111P.
PR 21-NOV-1997; 97US-0066364P.
PR 10-MAR-1998; 98US-0077450P.
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PR 30-NOV-1999; 99US-0028313P.
PR 02-DEC-1999; 99US-0028551P.
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PR 16-DEC-1999; 99US-0030095P.
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PR 05-JAN-2000; 2000US-0000219P.
PR 06-JAN-2000; 2000US-0000277P.
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PR 11-FEB-2000; 2000US-0003565P.
PR 18-FEB-2000; 2000US-0004341P.
PR 24-FEB-2000; 2000US-0005004P.
PR 10-MAR-2000; 2000US-0005841P.
PR 10-MAR-2000; 2000US-0006319P.
PR 21-MAR-2000; 2000US-0007352P.
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PR 17-MAY-2000; 2000US-0013705P.
PR 22-MAY-2000; 2000US-0014042P.
PR 30-MAY-2000; 2000US-0014941P.
PR 02-JUN-2000; 2000US-0015264P.
PR 28-JUN-2000; 2000US-0020710P.
PR 24-AUG-2000; 2000US-0023328P.
PR 08-NOV-2000; 2000US-0070923P.
PR 27-NOV-2000; 2000US-0072374P.
PR 01-DEC-2000; 2000US-0073267P.
PR 20-DEC-2000; 2000US-0074725P.

PR 20-DEC-2000; 2000WO-US034966.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 22-MAR-2001; 2001US-00816920.
PR 22-MAR-2001; 2001WO-US009552.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00886342.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-UTL-2001; 2001WO-US021735.
PR 30-UTL-2001; 2001US-00918585.

XX (GENTH) GENENTECH INC.

PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
PI Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX MPI; 2003-328499/31.
DR N-PSDB; ACA171759.

PT New isolated PRO polypeptides e.g. PRO213, PRO274 and PRO300, for use as
PT pharmaceuticals, diagnostics, biosensors and bioreactors, for identifying
PT modulators of receptor-ligand interactions.

XX Claim 12; SEQ ID NO 162; 55pp; English.

XX The invention relates to an isolated secreted and transmembrane
XX polypeptide, designated as PRO polypeptide. The PRO polypeptide is useful
XX in PRO polypeptide detection methods. The PRO polypeptide is useful for
XX linking a bioactive molecule to a cell. The PRO polypeptide or an
XX antibody against it is useful for modulating a biological activity of a
XX cell. The PRO polypeptide is useful in industrial applications including
XX pharmaceuticals, diagnostics, biosensors and bioreactors. The PRO
XX polypeptide is also useful as a thrombolytic agent, interferon,
XX interleukin, erythropoietin, colony stimulating factor and other
XX cytokines. The PRO polypeptide is useful for treating disease such as
XX cancer e.g. colorectal carcinoma; apoptosis related conditions e.g. AIDS,
XX amyotrophic lateral sclerosis; inflammatory disease e.g. asthma,
XX atherosclerosis; neurodegenerative disease e.g. Alzheimer's disease,
XX Parkinson's disease; cardiovascular disease e.g. hypertension and
XX myocardial ischemia; kidney disease e.g. renal failure and
XX glomerulonephritis; lung disease e.g. pulmonary hypertension, bronchial
XX asthma; gastrointestinal disorders e.g. gastric ulcer and inflammatory
XX bowel disease; reproductive disorders e.g. premature labour and
XX pre-eclampsia; carcinogenesis. The present sequence represents the amino
XX acid sequence of a PRO polypeptide of the invention. Note: The sequence
XX data for this patent did not form part of the printed specification but
XX was obtained in electronic format directly from USPTO at
XX segdata.uspto.gov/sequence.html?docid=20020177553

XX Sequence 224 AA;

Query Match 100.0%; Score 1191; DB 6; Length 224;
Best Local Similarity 100.0%; Pred.No. 1,4e-128;
Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MESSGAYGAKAGSGFRLRFLTPQVVAAYCLVFAITVSGTYEGVSNHESKQWCV 60
DB 1 MESSGAYGAKAGSGFRLRFLTPQVVAAYCLVFAITVSGTYEGVSNHESKQWCV 60
QY 61 FNRNEDACRYGSAIGVLAFLASAFLLVDAYFPQISNATDRKYIVIGDLFSALWTFLMF 120
DB 61 FNRNEDACRYGSAIGVLAFLASAFLLVDAYFPQISNATDRKYIVIGDLFSALWTFLMF 120

QY 121 VGFCFLTNQAVTNPEKQVIVGADSVFAITFSEFSTFSGVLAISAYQRYKAGVDFFION 180
DB 121 VGFCFLTNQAVTNPEKQVIVGADSVFAITFSEFSTFSGVLAISAYQRYKAGVDFFION 180
QY 181 YVPTPDPTNAYASYPGASVDNYQCPPTQNAETTEGYQPPVY 224
DB 181 YVPTPDPTNAYASYPGASVDNYQCPPTQNAETTEGYQPPVY 224

RESULT 8

ABU61095 standard; protein; 224 AA.

AC ABU61095;
DT 08-MAY-2003 (first entry)
DE Human PRO615 polypeptide.

XX Human; PRO polypeptide; secreted and transmembrane protein;
XX immune disorder; diabetes; hyper-insulinaemia; hypo-insulinaemia;
XX cardiac insufficiency; nervous system disorder; kidney disorder;
XX bone disorder; cartilage disorder; arthritis; tumour; wound healing;
XX genetic disorder; cytosolic; antidiabetic; anti-inflammatory;
XX antithrombotic; anti-tumour; vulnereary; antianemic; dermatological;
XX cardiant.

XX Homo sapiens.

PN US2002169284-A1.

XX 14-NOV-2002.

PF 16-OCT-2001; 2001US-00978697.

XX 26-MAY-1981; 81US-00267213.
PR 17-OCT-1997; 97US-0064250P.
PR 03-NOV-1997; 97US-0064249P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066364P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077641P.
PR 11-MAR-1998; 98US-0077649P.
PR 12-MAR-1998; 98US-0077791P.
PR 12-MAR-1998; 98US-0078004P.
PR 17-MAR-1998; 98US-00840220.
PR 20-MAR-1998; 98US-0078886P.
PR 20-MAR-1998; 98US-0078910P.
PR 20-MAR-1998; 98US-0078936P.
PR 20-MAR-1998; 98US-0078939P.
PR 25-MAR-1998; 98US-0079294P.
PR 26-MAR-1998; 98US-0079656P.
PR 27-MAR-1998; 98US-0079663P.
PR 27-MAR-1998; 98US-0079664P.
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PR 27-MAR-1998; 98US-0079786P.
PR 30-MAR-1998; 98US-0079920P.
PR 30-MAR-1998; 98US-0079923P.
PR 26-JUN-1998; 98US-00105413.
PR 07-OCT-1998; 98US-00168978.
PR 07-OCT-1998; 98WO-US021141.
PR 02-NOV-1998; 98US-00184216.
PR 06-NOV-1998; 98US-00187368.
PR 20-NOV-1998; 98WO-US024855.
PR 22-DEC-1998; 98US-00203054.
PR 22-DEC-1998; 98US-00218517.
PR 05-JAN-1999; 99WO-US000106.
PR 05-MAR-1999; 99US-00254465.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99US-00265686.
PR 10-MAR-1999; 99WO-US005190.

PR 12-APR-1999; 99US-00284291.
 PR 14-MAY-1999; 99US-0031833.
 PR 14-MAY-1999; 99WO-US010733.
 PR 02-JUN-1999; 99WO-US012252.
 PR 25-AUG-1999; 99US-00380137.
 PR 25-AUG-1999; 99US-00380138.
 PR 25-AUG-1999; 99US-00380142.
 PR 30-NOV-1999; 99WO-US028313.
 PR 02-DEC-1999; 99WO-US028551.
 PR 02-DEC-1999; 99WO-US028565.
 PR 16-DEC-1999; 99WO-US030095.
 PR 30-DEC-1999; 99WO-US031243.
 PR 30-DEC-1999; 99WO-US031274.
 PR 05-JAN-2000; 2000WO-US000219.
 PR 06-JAN-2000; 2000WO-US000277.
 PR 11-FEB-2000; 2000WO-US000376.
 PR 18-FEB-2000; 2000WO-US004341.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 10-MAR-2000; 2000WO-US006319.
 PR 21-MAR-2000; 2000WO-US007532.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000US-00709238.
 PR 27-NOV-2000; 2000US-00723749.
 PR 01-DEC-2000; 2000WO-US026768.
 PR 20-DEC-2000; 2000US-00742259.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 22-MAR-2001; 2001US-00816744.
 PR 22-MAR-2001; 2001US-00816920.
 PR 22-MAR-2001; 2001WO-US009552.
 PR 10-MAY-2001; 2001US-00854208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 25-MAY-2001; 2001WO-US017092.
 PR 01-JUN-2001; 2001US-00872035.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00886236.
 PR 19-JUN-2001; 2001US-00886342.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 30-JUL-2001; 2001US-00918585.
 XX (GENT) GENENTECH INC.
 XX PA
 PI Ashkenazi A, Baker KP, Botstein D, Desnoyers L, Eaton D;
 PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gettleman ME;
 PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
 PI Kijavini IU, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
 PI Stewart TA, Tumas D, Williams PM, Wood WI;
 XX
 DR MPI; 2003-288163/28.
 DR N-PDB; ABX92399.
 XX
 PT Novel secreted and transmembrane polypeptides and polynucleotides
 PT encoding them useful for treating cancer, kidney diseases, bone,
 PT cartilage disorders and immune deficiencies.
 XX
 PS Claim 12; Fig 61; 459pp; English.
 XX
 CC The present invention relates to the isolation of novel human PRO
 CC polypeptides, and the polynucleotide sequences encoding them. The PRO
 CC polypeptides are secreted and transmembrane proteins. The PRO
 CC polypeptides are useful for detecting other PRO polypeptides, for linking
 CC bioactive molecules to cells expressing PRO polypeptides, for modulating

CC biological activities of cells expressing PRO polypeptides, and for for
 CC identifying agonists or antagonists. The bioactive molecule may be a
 CC toxin, radiolabel or antibody, and causes apoptosis or death of the cell.
 CC The PRO polypeptides are useful for treating immune disorders, diabetes
 CC or hyper- or hypo-insulinaemia, cardiac insufficiency, nervous system
 CC disorders, kidney disorders, bone and cartilage disorders or arthritis,
 CC tumours, and wound healing. The polynucleotide sequences encoding PRO
 CC polypeptides are useful as hybridisation probes, in chromosome and gene
 CC mapping, in the generation of antisense RNA and DNA, in the preparation
 CC of PRO polypeptides, for generating transgenic animals or knockout
 CC animals, for the genetic analysis of individuals with genetic disorders,
 CC and in gene therapy. ABU1071-ABU6164 represent the human PRO
 CC polypeptides of the invention. Note: The sequence data for this patent
 CC was obtained in electronic format directly from the USPTO web site at
 CC seqdata.uspto.gov/patidententry.html
 XX
 XX Sequence 224 AA;
 QY
 QY 1 MEGAYGAKAGSGFDRRLPTQPVYARVCVFLIYFSCYIGEGYNAHESKMYCV 60
 Db 1 MEGAYGAKAGSGFDRRLPTQPVYARVCVFLIYFSCYIGEGYNAHESKMYCV 60
 QY 61 FNNEDACRYGSAIGVLAFLASAFVVDAYFPQISNATDRKLYIGDLLFSLMTFLWF 120
 Db 61 FNNEDACRYGSAIGVLAFLASAFVVDAYFPQISNATDRKLYIGDLLFSLMTFLWF 120
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 Db 121 VGFCEFLTNQAMTNPKDVLVGADSVRAITFSFISFGWGLASLAVQRYKAGVDFFION 180
 QY 181 YVDFPDPNTAVASYPGASVDNTQDPPTQNAETTEGYQPPVY 224
 Db 181 YVDFPDPNTAVASYPGASVDNTQDPPTQNAETTEGYQPPVY 224
 XX
 XX RESULT 9
 XX ABU80364
 XX ID ABU80364 standard; protein; 224 AA.
 XX AC ABU80364;
 XX 24-JUN-2003 (first entry)
 XX
 XX Human secreted/transmembrane protein PRO615.
 XX
 XX Human; secreted protein; transmembrane protein; PRO; malignancy; cancer;
 XX ovarian cancer; colorectal cancer; sarcoma; leukaemia; lymphoma;
 XX inflammatory disease; necrosis; atherosclerosis; infertility;
 XX premature aging; psoriasis; inflammatory disease; renal disease;
 XX arthritis; immune-mediated alopecia; stroke; encephalitis; hepatitis;
 XX multiple sclerosis; gene therapy.
 XX
 XX Homo sapiens.
 XX
 XX US2003004102-A1.
 XX
 XX 02-JAN-2003.
 XX
 XX 15-OCT-2001; 2001US-00978189.
 XX
 XX 17-OCT-1997; 97US-0062250P.
 XX 03-NOV-1997; 97US-0064499P.
 XX 13-NOV-1997; 97US-0065311P.
 XX 21-NOV-1997; 97US-0066364P.
 XX 10-MAR-1998; 98US-0077450P.
 XX 11-MAR-1998; 98US-0077632P.
 XX 11-MAR-1998; 98US-0077641P.
 XX 11-MAR-1998; 98US-0077649P.
 XX 12-MAR-1998; 98US-0077791P.

13-MAR-1998; 98US-0078004P.
 PR 17-MAR-1998; 98US-00040220.
 PR 20-MAR-1998; 98US-0078886P.
 PR 20-MAR-1998; 98US-0078910P.
 PR 20-MAR-1998; 98US-0078935P.
 PR 25-MAR-1998; 98US-0078939P.
 PR 26-MAR-1998; 98US-0078949P.
 PR 27-MAR-1998; 98US-0078963P.
 PR 27-MAR-1998; 98US-0079663P.
 PR 27-MAR-1998; 98US-0079689P.
 PR 27-MAR-1998; 98US-0079728P.
 PR 30-MAR-1998; 98US-0079786P.
 PR 30-MAR-1998; 98US-0079920P.
 PR 26-JUN-1998; 98US-00105413.
 PR 07-OCT-1998; 98US-00168978.
 PR 07-OCT-1998; 98US-0021141.
 PR 06-NOV-1998; 98US-00187358.
 PR 20-NOV-1998; 98US-0024885.
 PR 07-DEC-1998; 98US-00202054.
 PR 22-DEC-1998; 98US-00218517.
 PR 05-JAN-1999; 99US-0000106.
 PR 08-MAR-1999; 99US-00254465.
 PR 10-MAR-1999; 99US-0026566.
 PR 10-MAR-1999; 99US-00265199.
 PR 12-MAR-1999; 99US-00267213.
 PR 14-MAR-1999; 99US-00284291.
 PR 14-MAY-1999; 99US-00311832.
 PR 02-JUN-1999; 99US-00107733.
 PR 25-AUG-1999; 99US-00380137.
 PR 25-AUG-1999; 99US-00380138.
 PR 25-AUG-1999; 99US-00380142.
 PR 30-NOV-1999; 99US-0028313.
 PR 02-DEC-1999; 99US-0028551.
 PR 16-DEC-1999; 99US-0028565.
 PR 30-DEC-1999; 99US-00300095.
 PR 30-DEC-1999; 99US-0031247.
 PR 05-JAN-2000; 2000US-00002219.
 PR 06-JAN-2000; 2000US-0000227.
 PR 11-FEB-2000; 2000US-0000376.
 PR 18-FEB-2000; 2000US-0004341.
 PR 24-FEB-2000; 2000US-0005004.
 PR 01-MAR-2000; 2000US-00050501.
 PR 02-MAR-2000; 2000US-00050584.
 PR 10-MAR-2000; 2000US-000506319.
 PR 21-MAR-2000; 2000US-0007532.
 PR 30-MAR-2000; 2000US-0008439.
 PR 17-MAY-2000; 2000US-00013705.
 PR 22-MAY-2000; 2000US-00014042.
 PR 30-MAY-2000; 2000US-00014941.
 PR 02-JUN-2000; 2000US-00015264.
 PR 28-JUL-2000; 2000US-0020710.
 PR 24-AUG-2000; 2000US-0023328.
 PR 08-NOV-2000; 2000US-00709238.
 PR 10-NOV-2000; 2000US-00709238.
 PR 27-NOV-2000; 2000US-00723749.
 PR 01-DEC-2000; 2000US-0072678.
 PR 20-DEC-2000; 2000US-00747259.
 PR 20-DEC-2000; 2000US-00747259.
 PR 28-FEB-2001; 2001US-00034956.
 PR 22-MAR-2001; 2001US-0006520.
 PR 22-MAR-2001; 2001US-00816744.
 PR 22-MAR-2001; 2001US-00816920.
 PR 22-MAR-2001; 2001US-00095552.
 PR 10-MAY-2001; 2001US-00854208.
 PR 15-MAY-2001; 2001US-00854280.
 PR 01-JUN-2001; 2001US-00872035.

01-JUN-2001; 2001US-00017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00882636.
 PR 19-JUN-2001; 2001US-00886342.
 PR 20-JUN-2001; 2001US-00896992.
 PR 28-JUN-2001; 2001US-0021066.
 PR 03-JUL-2001; 2001US-0021735.
 PR 30-JUL-2001; 2001US-00918585.
 XX (GENT) GENENTECH INC.
 PA Ashkenazi AJ, Baker KP, Botstein D, Desrochers J, Eaton DJ,
 PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gertsen ME,
 PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ, Shetton DL,
 PI Kijavain IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shetton DL,
 PI Stewart TA, Tumas D, Williams PM, Wood WJ,
 XX WPI, 2003-341189/32.
 DR N-PSDB; ACA66140.
 XX
 PT New genes and secreted and transmembrane polypeptides (e.g. PRO337 or
 PT PRO1559), useful for treating or diagnosing e.g. cancers,
 PT atherosclerosis, infertility, stroke, encephalitis, hepatitis or multiple
 PT sclerosis in mammals.
 XX
 PS Claim 12; Fig 61; 460pp; English.
 XX
 CC The invention relates to a new isolated nucleic acid molecule comprising a
 CC sequence with at least 80% identity to: (a) a nucleotide encoding any of
 CC 94 PRO polypeptides whose sequences are fully defined in the
 CC specification; or (b) any of 94 nucleotide sequences fully defined in the
 CC specification; or the full length coding sequence of any these 94
 CC nucleotide sequences. Also included are an isolated PRO polypeptide
 CC scoring at least 80% positives when compared to any of the PRO
 CC polypeptide sequences cited above (or an isolated PRO polypeptide having
 CC at least 80% amino acid sequence identity to: (a) an amino acid sequence
 CC encoded by the nucleotide deposited with ATCC numbers listed in the
 CC specification; (b) the PRO polypeptide, lacking its associated signal
 CC peptide; or (c) an extracellular domain of the PRO polypeptide, with or
 CC lacking its associated signal peptide), a vector comprising the nucleic
 CC acid molecule, a host cell comprising the vector (and producing a PRO
 CC polypeptide), a chimeric molecule comprising the PRO polypeptide fused
 CC to a heterologous amino acid sequence and an anti-PRO antibody. The PRO
 CC polypeptides or polynucleotides are useful as pharmaceuticals,
 CC diagnostics, biosensors or bioreactors. These are particularly useful for
 CC detecting or treating e.g. malignancies or cancers (e.g. ovarian cancer,
 CC colorectal cancer, sarcoma, leukaemia or lymphoma), inflammatory disease,
 CC necrosis, atherosclerosis, infertility, premature aging, psoriasis,
 CC inflammatory disease, renal disease, arthritis, immune-mediated alopecia,
 CC stroke, encephalitis, hepatitis, or multiple sclerosis in mammals. The
 CC PRO polypeptides are useful in drug screening, particularly as targets
 CC for therapeutic intervention in these diseases, and in the diagnostic
 CC determination of the presence of these diseases. The PRO polypeptides are
 CC also useful as molecular weight markers, or for chromosome
 CC identification. The PRO genes are useful as hybridisation probes, or for
 CC screening libraries of human cDNA, genomic DNA or mRNA. The PRO genes may
 CC also be used in gene therapy, particularly for replacing a defective
 CC gene. The present sequence represents a PRO polypeptide
 XX
 SQ Sequence 224 AA;
 Query Match 100.0%; Score 1191; DB 6; Length 224;
 Best Local Similarity 100.0%; Pred. No. 1.4e-128;
 Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MEGAGYGAAGAGGSPURRFLTPQPVAAAGVLLVALLVFSCTYGGYNAHESKMYCV 60
 DB 1 MEGAGYGAAGAGGSPURRFLTPQPVAAAGVLLVALLVFSCTYGGYNAHESKMYCV 60
 QY FNNEDACRYGSAIGVLAFLAFAFLVDAYFPQISNATDRKLYIGDLFFSALWTFLMF 120
 DB 61 FNNEDACRYGSAIGVLAFLAFAFLVDAYFPQISNATDRKLYIGDLFFSALWTFLMF 120


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QY      121  VGFCELTNOMAVTNPKDVLVGADSVRAAITFSFFSIFSMGLASLAYQRYKAGVDDEFION 180
Db      121  VGFCELTNOMAVTNPKDVLVGADSVRAAITFSFFSIFSMGLASLAYQRYKAGVDDEFION 180
QY      181  YVDETPPDNTAYASYPGASVYNYOQPPPTONAETTEGYQPPPVY 224
Db      181  YVDETPPDNTAYASYPGASVYNYOQPPPTONAETTEGYQPPPVY 224

RESULT 10
ADA24701
ID      ADA24701 standard; protein. 224 AA.
XX
AC      ADA24701;
XX
DT      20-NOV-2003 (first entry)
XX
DE      Novel human secreted and transmembrane protein PRO615.
XX
KM      Human; secreted and transmembrane protein; PRO; tissue typing;
KM      chromosome identification; vaccine; cancer; retinal disorder;
KM      sports-related joint disorder; osteoarthritis; rheumatoid arthritis;
KM      wound healing; obesity; diabetes; hearing loss;
KM      cardiac insufficiency disorder; kidney disorder; nervous system disorder;
KM      haemoglobin associated disorder.
XX
OS      Homo sapiens.
XX
FN      US2003050241-A1.
XX
PD      13-MAR-2003.
XX
PF      16-OCT-2001; 2001US-00978564.
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PR      17-OCT-1997; 97US-0062250P.
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PR      13-MAY-1998; 98US-0085338P.
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PR      15-MAY-1998; 98US-0085573P.
PR      15-MAY-1998; 98US-0085579P.
PR      15-MAY-1998; 98US-0085580P.
PR      15-MAY-1998; 98US-0085582P.
PR      15-MAY-1998; 98US-0085583P.
PR      15-MAY-1998; 98US-0085697P.
PR      15-MAY-1998; 98US-0085700P.
PR      15-MAY-1998; 98US-0085704P.
PR      18-MAY-1998; 98US-0086023P.
PR      22-MAY-1998; 98US-0086392P.
PR      22-MAY-1998; 98US-0086414P.
PR      22-MAY-1998; 98US-0086430P.
PR      22-MAY-1998; 98US-0086486P.
PR      28-MAY-1998; 98US-0087098P.
PR      28-MAY-1998; 98US-0087106P.
PR      28-MAY-1998; 98US-0087208P.
PR      26-JUN-1998; 98US-0090863P.
PR      26-JUN-1998; 98US-0091010P.
PR      01-JUL-1998; 98US-0091359P.
PR      30-JUL-1998; 98US-0094651P.
PR      11-SEP-1998; 98US-0100038P.
PR      07-OCT-1998; 98WO-US021141.
PR      20-NOV-1998; 98US-0109304P.
PR      20-NOV-1998; 98WO-US024855.
PR      22-DEC-1998; 98US-0113296P.
PR      23-DEC-1998; 98US-0113621P.
PR      05-JAN-1999; 98WO-US000106.
PR      08-MAR-1999; 98WO-US005028.
PR      10-MAR-1999; 98WO-US005190.
PR      12-MAR-1999; 98US-0123957P.
PR      29-MAR-1999; 98US-0126773P.
PR      21-APR-1999; 98US-0130232P.
PR      26-APR-1999; 98US-0131023P.
PR      28-APR-1999; 98US-0131475P.
PR      14-MAY-1999; 98WO-US010773.
PR      02-JUN-1999; 98WO-US012252.
PR      16-JUN-1999; 98US-0139557P.
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PR 23-JUN-1999; 98US-0141037P.
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 PR 26-JUL-1999; 99US-0145698P.
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 PR 02-DEC-1999; 99MO-US028551.
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 PR 11-FEB-2000; 2000MO-US000376.
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 PR 29-JUN-2001; 2001MO-US021066.
 PR 09-JUL-2001; 2001MO-US021735.
 PR 30-JUL-2001; 2001US-00918585.
 XX
 XX (GENTH) GENENTECH INC.
 XX
 PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Baton DL;
 PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerltsen ME;
 PI Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
 PI Kljavin IJ, Kuo SS, Napier MA, Pan J, Peoni NF, Roy MA, Shelton DL;
 PI Stewart TA, Tumas D, Williams PW, Wood WL;
 DR WPI; 2003-521814/49.
 DR N-PSDB; ADA24700.
 XX
 PT New isolated PRO polypeptides for example extracellular, secreted and
 PT membrane bound proteins, useful for modulating the biological activities
 PT of cells and for treating, for example diabetes, cancer, rheumatoid
 PT arthritis, and hearing loss.
 XX
 XX Claim 12; Fig 61; 461p; English.
 CC The invention describes an isolated secreted and transmembrane (PRO)
 CC polypeptide (1). PRO37 polypeptide is useful for detecting PRO4993
 CC polypeptide in a sample, and vice versa. PRO725, PRO700 and PRO739 are
 CC useful for detecting PRO1559 polypeptide in a sample, and PRO1559 is
 CC useful for detecting PRO725, PRO700 and PRO739 in a sample. PRO4993 is
 CC useful for linking a bioactive molecule to a cell expressing a PRO37
 CC polypeptide, and PRO37 is useful for linking a bioactive molecule to a
 CC cell expressing a PRO4993 polypeptide. PRO1559 is useful for linking a
 CC bioactive molecule to a cell expressing a PRO725, PRO700 and PRO739
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 AC ABO19666;
 XX
 DT 08-SEP-2003 (first entry)
 XX
 DE Novel human secreted and transmembrane protein PRO615.
 XX
 XX Human; secreted and transmembrane protein; PRO; cell death; neuropathy;
 KM peripheral neuropathy; diabetic peripheral neuropathy;
 KM AIDS-associated neuropathy; Charcot-Marie-Tooth disease;
 KM Refsum's disease; Abetalipoproteinemia; Tangier disease;
 KM Krabbe's disease; Metachromatic leukodystrophy; Fabry's disease;
 KM Defective-Scotts syndrome; chromosome mapping; gene mapping; gene therapy.
 XX
 OS Homo sapiens.
 XX
 XX US2003050240-A1.
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 PD 13-MAR-2003.
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 PR 22-DEC-1998; 98US-0113296P.
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 PR 05-JAN-1999; 98WO-US000106.
 PR 08-MAR-1999; 98WO-US005029.
 PR 10-MAR-1999; 98WO-US005190.
 PR 12-MAR-1999; 99US-0123957P.
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 PR 06-JAN-2000; 2000WO-US000277.
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 PR 11-FEB-2000; 2000WO-US003565.
 PR 18-FEB-2000; 2000WO-US004341.
 PR 24-FEB-2000; 2000WO-US005004.
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 PR 30-MAR-2000; 2000WO-US008439.
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 PR 22-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 28-JUL-2000; 2000WO-US020710.
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 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 22-MAR-2001; 2001WO-US009552.
 PR 25-MAY-2001; 2001WO-US017092.
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 PR 20-JUN-2001; 2001WO-US019692.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 30-JUL-2001; 2001US-00918585.
 PA (GETH) GENENTECH INC.
 XX Ashkenazi AJ, Baker KP, Botstein D, Deenoyers L, Eaton DL,
 PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME,
 PI Gaddard A, Godowski PJ, Grimaldi JC, Gurney AU, Hillan KJ,
 PI Kijavitt J, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL,
 PI Stewart TA, Tumas D, Williams PM, Wood WL,
 XX WPI; 2003-503575/47.
 DR N-PSDB; ACD29741.
 DR Novel secreted and transmembrane polypeptide for modulating biological
 XX activity of cell expressing the polypeptide, identifying agonists or
 PT antagonists of polypeptide, and as molecular weight markers.
 PT
 XX Claim 12; Fig 61; 459pp; English.
 XX
 CC The invention describes an isolated, secreted and transmembrane
 CC polypeptide, termed PRO polypeptide (I). (I) is useful for detecting
 CC PRO4993, PRO337, PRO1559, PRO725, PRO700 or PRO739 polypeptide, and for
 CC linking a bioactive molecule to a cell expressing the above polypeptides.
 CC The bioactive molecule is a toxin, radiolabel or an antibody and causes
 CC cell death. (I) is useful as a therapeutic agent, in medical and industrial
 CC applications e.g. for treating neuropathy, especially peripheral
 CC neuropathy, diabetic peripheral neuropathy, AIDS-associated neuropathy,
 CC Charcot-Marie-Tooth disease, Retinsum's disease, Abetalipoproteinemia,
 CC Tangier disease, Krabbe's disease, Metachromatic leukodystrophy, Fabry's

Query Match 100.0%; Score 1191; DB 6; Length 224;
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DB 181 YVDPPTDPNTAYASVAGASVDNYOOPFTQNAETTEGYQPPVY 224
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AC ADA12362;
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DT 06-NOV-2003 (first entry)
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DE Human secreted/transmembrane polypeptide PRO615.
XX
KM inflammatory disease; organ failure; atherosclerosis; cardiac injury;
KM infertility; birth defect; premature aging; AIDS; cancer;
KM diabetic complication; tissue typing; human.
OS Homo sapiens.
XX
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PD 20-MAR-2003.
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PF 17-OCT-2001; 2001US-00978924.
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 PR 10-MAY-2001; 2001US-00854280.
 PR 21-MAY-2001; 2001WO-US017092.
 PR 01-JUN-2001; 2001US-00872035.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00882636.
 PR 19-JUN-2001; 2001US-00886342.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 30-JUL-2001; 2001US-00918585.
 XX
 PA
 XX (GETH) GENENTECH INC.

PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL,
 PI Ferreira N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
 Query Match 100.0%; Score 1191; DB 6; Length 224;
 Best Local Similarity 100.0%; Pred. No. 1,46-158;
 Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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 DB 1 MESSAGAKAGSGEDRFLFQPOVNAACVLLVFLFSITVGEYSNAHESQMYCV 60
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 DB 61 FNNEDACRYGSAIGVLAFLASAFLLVDAYVPQISNATDRKLYIGDLFSAALTFMF 120
 QY 121 VGFCEFLTMQAVTNPRDVLVAGDSVRAAITFSEFISFGVGLASIAVQRYKAGVDDFTON 180
 DB 121 VGFCEFLTMQAVTNPRDVLVAGDSVRAAITFSEFISFGVGLASIAVQRYKAGVDDFTON 180
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 DB 181 YVDPTPDPTATAYASYPGASVDNYQOPPTQNAETEGYQPPVY 224
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 DT 27-AUG-2003 (first entry)
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 XX Novel human secreted and transmembrane polypeptide #25.
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 KW tumour growth; retinal disorder; injury; sight loss;
 KW retinitis pigmentosa; age-related macular degeneration;
 KW sport-related joint problem; articular cartilage defect; osteoarthritis;
 KW rheumatoid arthritis; wound healing; obesity; diabetes; insulinemia;
 KW kidney disorder; mesangial cell function; Berger disease; nephropathy;
 KW celiac disease; dermatitis; Crohn disease; neuropathy;
 KW cardiac insufficiency disorder; peripheral neuropathy;
 KW diabetic peripheral neuropathy; autonomic neuropathy;
 KW reduced motility of the gastrointestinal tract;
 KW atony of the urinary bladder; post polio syndrome; Krabbe's disease;
 KW Charcot-Marie-Tooth disease; Fabry's disease; Tangle disease;
 KW Refsum's disease.
 OS Homo sapiens.
 XX
 XX US2003049633-A1.
 PN
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 PD 13-MAR-2003.
 XX
 PF 16-OCT-2001; 2001US-00978585.
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 PR 17-OCT-1997; 97US-0062250P.
 PR 03-NOV-1997; 97US-0062249P.
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 PR 26-MAR-1998; 98US-0079656P.
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PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001MO-US017092.
PR 01-JUN-2001; 2001US-00872035.
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PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.

Query Match 100.0%; Score 1191; DB 6; Length 224;
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QY 181 YVDETPDPNTAYASYPGASVDNTIQPPFTQNAETTBGYCPPYV 224
Db 181 YVDETPDPNTAYASYPGASVDNTIQPPFTQNAETTBGYCPPYV 224

RESULT 14
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AC ADB73668;
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04-DEC-2003 (first entry)
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XX Human; PRO polypeptide; secreted protein; transmembrane protein;
XX cell death; neuropathy; neuropathy related disease;
XX Charcot-Marie-Tooth disorder; Refsum's disease; Krabbe's disease;
XX chromosome mapping; gene mapping; genetic disorder; septic shock;
XX antibacterial; immunosuppressive; neuroprotective.
OS Homo sapiens.
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PD 06-MAR-2003.
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PF 16-OCT-2001; 2001US-00978608.
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PR 28-MAY-1998; 98US-0087106P.

PR 26-MAY-1998; 98US-0087208P.
PR 26-JUN-1998; 98US-0090863P.
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PR 01-JUL-1998; 98US-0091359P.
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PR 11-SEP-1998; 98US-0100038P.
PR 07-OCT-1998; 98MO-US021141.
PR 20-NOV-1998; 98US-0109304P.
PR 20-NOV-1998; 98MO-US024855.
PR 22-DEC-1998; 98US-0113296P.
PR 23-DEC-1998; 98US-0113621P.
PR 05-JAN-1999; 99MO-US000106.
PR 08-MAR-1999; 99MO-US005028.
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PR 14-MAY-1999; 99MO-US010733.
PR 02-JUN-1999; 99MO-US012252.
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PR 23-JUN-1999; 99US-0141037P.
PR 07-JUL-1999; 99US-0142680P.
PR 26-JUL-1999; 99US-0145698P.
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PR 29-OCT-1999; 99US-0162506P.
PR 30-NOV-1999; 99MO-US028313.
PR 02-DEC-1999; 99MO-US028551.
PR 02-DEC-1999; 99MO-US028565.
PR 16-DEC-1999; 99MO-US030095.
PR 30-DEC-1999; 99MO-US031243.
PR 30-DEC-1999; 99MO-US031274.
PR 05-JAN-2000; 2000MO-US000219.
PR 06-JAN-2000; 2000MO-US000277.
PR 11-FEB-2000; 2000MO-US000376.
PR 11-FEB-2000; 2000MO-US003565.
PR 18-FEB-2000; 2000MO-US004341.
PR 24-FEB-2000; 2000MO-US005004.
PR 02-MAR-2000; 2000MO-US005841.
PR 10-MAR-2000; 2000MO-US006319.
PR 21-MAR-2000; 2000MO-US007532.
PR 30-MAR-2000; 2000MO-US008439.
PR 17-MAY-2000; 2000MO-US013705.
PR 22-MAY-2000; 2000MO-US014042.
PR 30-MAY-2000; 2000MO-US014941.
PR 02-JUN-2000; 2000MO-US015264.
PR 28-JUL-2000; 2000MO-US020710.
PR 24-AUG-2000; 2000MO-US023328.
PR 01-DEC-2000; 2000MO-US032678.
PR 20-DEC-2000; 2000MO-US034956.
PR 28-FEB-2001; 2001MO-US006520.
PR 28-MAR-2001; 2001MO-US009552.
PR 25-MAY-2001; 2001MO-US017092.
PR 01-JUN-2001; 2001MO-US017800.
PR 20-JUN-2001; 2001MO-US019582.
PR 29-JUN-2001; 2001MO-US021066.
PR 09-JUL-2001; 2001MO-US021735.
PR 30-JUL-2001; 2001US-00918585.

PA (GETH) GENENTECH INC.
XX
PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers LV, Eaton DL,
PI Ferrara N, Filvaroff E, Fong S, Gao W, Gerder H, Gerritsen ME,
PI Goddard A, Godowski PJ, Grimaldi UC, Gurney AL, Hillan CJ, Shelton DL,
PI Kiljavin IU, Kuo SS, Napiier MA, Pan J, Paoni NF, Roy MA, Shelson DL,
PI Stewart TA, Tumas D, Williams PM, Wood WI;
XX WPI; 2003-755118/71.
DR N-PSDB; ADB76383.
XX
PT New PRO polypeptides useful for treating peripheral neuropathy,

PT neuropathies associated with systemic disease such as post-polio syndrome
 PT or AIDS-associated syndrome.

PS Claim 12; Fig 61; 425pp; English.

XX

CC The present invention relates to the isolation of novel human PRO
 CC polypeptides, and the polynucleotide sequences encoding them. The PRO
 CC polypeptides are secreted and transmembrane proteins. The PRO
 CC polypeptides are useful for detecting other PRO polypeptides, for linking
 CC bioactive molecules to cells expressing PRO polypeptides, for modulating
 CC biological activities of cells expressing PRO polypeptides, and for
 CC identifying agonists or antagonists. The bioactive molecule maybe a
 CC toxin, radiolabel or antibody, and cause cell death. The PRO polypeptides
 CC are useful for treating neuropathy and neuropathy related diseases such
 CC as Charcot-Marie-Tooth disorder, Refsum's disease, and Krabbe's disease.
 CC The polynucleotide sequences encoding PRO polypeptides are useful as
 CC hybridisation probes, in chromosome and gene mapping, in the generation

Query Match 100.0%; Score 1191; DB 7; Length 224;

Best Local Similarity 100.0%; Pred. No. 1,4e-128; Mismatches 0; Indels 0; Gaps 0;

Matches 224; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MESSGAYGAAKAGSGFDLRRLTQPOVAVAPAVCLVPAIVFSCITGEGYSNAHESKQMYCV 60
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 QY 61 FNRNEDACRYGSAIGVLAFLASAFLLVVDAYFPOISNATDRKYLVIQDLFSALMTFLMF 120
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 QY 181 YVDPTPDNTAVASYGASVQNYQOPFTONATTEGYQPPVY 224
 Db 181 YVDPTPDNTAVASYGASVQNYQOPFTONATTEGYQPPVY 224

Search completed: April 7, 2004, 11:56:20
 Job time : 63 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 8, 2004, 07:16:02 ; Search time 3670 Seconds
(without alignments)
12302.893 Million cell updates/sec

Title: US-10-020-445a-161

Perfect score: 1512

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Gapop 10.0 , Gapext 1.0

Searched: 27513289 seqs, 1493109276 residues

Total number of hits satisfying chosen parameters: 55026578

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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C 4	958.2	63.4	1201	9	AL546691

C 5	956.4	63.3	1201	9	AL530639
C 6	956	63.2	1185	9	AL573537
C 7	947	62.6	1076	9	AL547324
C 8	945.6	62.5	1201	9	AL530640
C 9	942.4	62.3	1093	9	AL558892
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C 12	915.8	60.6	1126	9	AL527114
C 13	913.5	60.4	1047	12	BM547376
C 14	910.2	60.2	1201	9	AL571941
C 15	905.8	59.9	1201	9	AL564600
C 16	905.8	59.9	1201	9	AL562951
C 17	905.2	59.9	1201	9	AL557237
C 18	904.6	59.8	1201	9	AL571749
C 19	898.4	59.4	1001	9	AL545227
C 20	896.8	59.3	1201	9	AL566778
C 21	896.6	59.3	1100	9	AL573863
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C 26	868.8	57.5	1201	9	AL525578
C 27	865.8	57.3	1134	9	AL549812
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C 29	860.2	56.9	1201	13	BX382425
C 30	859.6	56.9	1201	9	AL527662
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C 33	855.2	56.6	1137	14	CA488420
C 34	854.6	56.5	1137	12	BM458513
C 35	852.8	56.4	1201	9	AL555975
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C 41	826	54.6	920	9	AL542882
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C 43	821	54.3	894	13	BM914997
C 44	817.6	54.1	1027	12	BM925611
C 45	817.4	54.0	978	13	BQ055557
C 46	816.4	54.0	861	13	BQ542737
C 47	814.2	53.8	910	13	BQ541667
C 48	811.4	53.7	891	12	BM921013
C 49	811	53.6	976	13	BQ066331
C 50	809.4	53.5	882	13	BQ396139
C 51	809.4	53.5	1047	13	BQ062525
C 52	806.2	53.3	1086	12	BM458849
C 53	804	53.2	1201	9	AL525527
C 54	801.8	53.0	993	9	AL571039
C 55	801.6	53.0	826	13	BM543564
C 56	801.6	53.0	865	14	CD251730
C 57	801.2	53.0	1062	13	BQ058079
C 58	800.4	52.9	992	13	BQ677375
C 59	798	52.8	1022	13	BQ062273
C 60	796.4	52.7	884	13	BQ893082
C 61	796	52.6	1026	13	BQ064915
C 62	794.6	52.6	900	13	BQ691303
C 63	793.8	52.4	930	12	BQ758743
C 64	792.8	52.4	897	12	BQ758083
C 65	791.8	52.4	845	12	BM043990
C 66	784.4	51.9	925	13	BQ643190
C 67	783.2	51.8	939	13	BQ844978
C 68	782.8	51.8	787	12	BQ753149
C 69	782.8	51.8	1115	9	AL527127
C 70	779.6	51.6	814	12	BQ829680
C 71	778.8	51.5	1063	12	BM924627
C 72	774.6	51.2	803	12	BQ69811
C 73	774	51.2	848	12	BM044421
C 74	773.6	51.2	980	13	BX337628
C 75	773	51.1	1063	9	AL570724
C 76	773	51.1	891	14	CA454494
C 77	770.6	51.0	912	13	BQ943718

Db 107 AGGGTGGCCCATGCTCCASACTCTCTCTGTCGCCAGTGTATATATAATCGTGGG 48

Qy 1456 GAGATGCCCG--CTGGGATGCTGTTTGAGACGGAATAATGTT 1499

Db 47 GAGATGCCCGGCTGGGATGCTGTBMHGVCGVATAATGTT 1

RESULT 2
AL55634 1131 bp mRNA linear EST 31-MAY-2003

LOCUS AL55634 Homo sapiens HELA CELLS COT 25-NORMALIZED Homo sapiens

DEFINITION CDNA clone CS0DK006YH24 5-PRIME, mRNA sequence.

ACCESSION AL55634

VERSION AL55634.2 GI:31278435

KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo. 1 (bases 1 to 1131)

AUTHORS Li, W.B., Gruber, C., Jessee, J. and Polayes, D.

TITLE Full-length cDNA libraries and normalization

JOURNAL Unpublished (2001)

COMMENT On Feb 15, 2001 this sequence version replaced gi:12899489.

Contact: Genoscope

Genoscope - Centre National de Sequencage

BP 191 91006 Evry cedex - France

Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr

Library was constructed by Life Technologies, a division of Invitrogen. This sequence belongs to sequence cluster 8916.f For more information about this cluster, see

http://www.genoscope.cns.fr/cgi-bin/cluster.cgi?seq=CS0DK006YH24&cluster=8916.f. Contact : Feng Liang Email : fliang@life.com URL : http://fulllength.invitrogen.com/Invitrogen Corporation 1600 Faraday Avenue Genoscope sequence ID : CS0DK006YH24P1.

FEATURES

SOURCE

1. 1131

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="taxon:9606"

/clone="CS0DK006YH24"

/cell_type="HELA CELLS COT 25-NORMALIZED"

/cell_line="HELA"

/clone_id="Homo sapiens HELA CELLS COT 25-NORMALIZED"

/note="1st strand cDNA was primed with a NotI-oligo (dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library was normalized."

ORIGIN

Query Match 64.0%; Score 968.2; DB 9; Length 1131;

Best Local Similarity 97.1%; Pred. No. 6.4e-163;

Matches 1042; Conservative 6; Mismatches 19; Indels 6; Gaps 6;

Qy 53 GGAGAGCGGGGCTTACCGCGCGGCAAGCGGGCGCTTGTGACCTGGGGGCTTCT 112

Db 64 GGGATGGGGGCTTACCGCGCGGCAAGCGGGCGCTTGTGACCTGGGGGCTTCT 123

Qy 113 GAGCGACCGGAGGTG-TGGCGCGCGCGCTGTGCTTGTGCTTGTGCTTGTCT 171

Db 124 GACCGACCGGAGGTG-TGGCGCGCGCGCTGTGCTTGTGCTTGTGCTTGTCT 183

Qy 172 CCTGATCTATGTGAGGGCTACAGCAATGCCAGTCTAGACAGATGATCGGTGT 231

Db 184 CTGATCTATGTGAGGGCTACAGCAATGCCAGTCTAGACAGATGATCGGTGT 243

Qy 232 TCAACCGCAAGAGATGCTTGGCGCTATGCGACATCGGGGTCTGCTTCTCTG 291

Db 244 TCAACCGCAAGAGATGCTTGGCGCTATGCGACATCGGGGTCTGCTTCTCTG 303

Qy 292 CCTGGGCTTCTTGTGTTGTCAGCGGTATTTCCCGAGTATAGAGCACTGAC 351

Db 304 CTGGGCTTCTTGTGTTGTCAGCGGTATTTCCCGAGTATAGCAAGCCACTGACC 363

Qy 352 GCAAGTACCTGGTATGTTGACCTGCTTCTCAGCTCTGTGACCTTCTGTGTTTG 411

Db 364 GCAAGTACCTGGTATGTTGACCTGCTTCTCAGCTCTGTGACCTTCTGTGTTTG 423

Qy 412 TTGTTTCTGCTTCTTCTCAGCAACAGTGGGCAAGTCAACACCCGAGAGAGTGTGTG 471

Db 424 TTGTTTCTGCTTCTTCTCAGCAACAGTGGGCAAGTCAACACCCGAGAGAGTGTGTG 482

Qy 472 GGGCCGACTGTGAGGGGAGGAGCATCACTTCAAGCTTCTTCTTCTTCTTCTTCTG 531

Db 483 GGGCCGACTGTGAGGGGAGGAGCATCACTTCAAGCTTCTTCTTCTTCTTCTTCTG 542

Qy 532 TGCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 591

Db 543 TGCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 602

Qy 592 AGCTTACCCCACTCCGAGCCCAACACTGCTTACGCTTCTTACCCAGTGTGATCTGTG 651

Db 603 AGCTTACCCCACTCCGAGCCCAACACTGCTTACGCTTCTTACCCAGTGTGATCTGTG 662

Qy 652 ACAACTACCAAGACCAACCTTCAACCCAGAGAGAGAGAGAGAGAGAGAGAGAGAG 711

Db 663 ACAACTACCAAGACCAACCTTCAACCCAGAGAGAGAGAGAGAGAGAGAGAGAGAG 722

Qy 712 CCCCTGTATCTAGTGGGGGTGAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 771

Db 723 CCCCTGTATCTAGGAGGGGTGAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 782

Qy 772 CCTGTGACTTCCCATCAAGCTTCTGGAACCTGCAAGCCCTTCTTCTTCACTGTTCATC 831

Db 783 CCTGTGACTTCCCATCAAGCTTCTGGAACCTGCAAGCCCTTCTTCTTCACTGTTCATC 842

Qy 832 CTGTGAGGTGACACACAGCTTACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 891

Db 843 CTGTGAGGTGACACACAGCTTACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 901

Qy 892 CCCCAAGTCCCTGTGCGCCAGAGAGGCTTCAAGTCCCTCACTCCCTCAGAGGCACTTTTA 951

Db 902 CCCCAAGTCCCTGTGCGCCAGAGAGGCTTCAAGTCCCTCACTCCCTCAGAGGCACTTTTA 961

Qy 952 GGAAGAGGTTTGTAGTATGTTTCTTCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1011

Db 962 GGAAGAGGTTTGTAGTATGTTTCTTCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1020

Qy 1012 GGCTGAAAGCCAGAGAGTGGCCATGTGCTACTGACAGAGTCCCTGAGTCCCGGCGCC 1071

Db 1021 GGCTGAAAGCCAGAGAGTGGCCATGTGCTACTGACAGAGTCCCTGAGTCCCGGCGCC 1079

Qy 1072 GGCTGAGGCGGTGGAGAGCCGCTATTTATCTGGCTTCTTCTGCAAGAGCTGTGTG 1124

Db 1080 GGCTGAGGCGGTGGAGAGCCGCTATTTATCTGGCTTCTTCTGCAAGAGCTGTGTG 1131

RESULT 3

AL563019/c 1201 bp mRNA linear EST 31-MAY-2003

LOCUS AL563019 Homo sapiens NEUROBLASTOMA COT 25-NORMALIZED Homo sapiens

DEFINITION CDNA clone CS0DK027YP17 3-PRIME, mRNA sequence.

ACCESSION AL563019

VERSION AL563019.2 GI:31287026

KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo. 1 (bases 1 to 1201)

AUTHORS Li, W.B., Gruber, C., Jessee, J. and Polayes, D.

TITLE Full-length cDNA libraries and normalization

JOURNAL Unpublished (2001)

COMMENT On Feb 15, 2001 this sequence version replaced gi:12912018.

Contact: Genoscope

OY		641	TGACATCTGTGTGAACAATACCAAAGGCCA	CCTTTACCCCAAGAACGGGAGAACCGGAGG	700
Db		835	GGCCTTCTGTGAACAATACTAACAGCACC	CTTCACTCCAGAAACCSGGAGCACCGAGG	776
OY		701	CTACAGACCGCCCCCTGTGTACTGTAGTAGTG	AGCGGATTAGCGTGGAAAAGGGGAGACAGAGAGGC	760
Db		775	CTACAGACCGCCCCCTGTGTACTGTAGTAGTG	AGCGGATTAGCGTGGAAAAGGGGAGACAGAGAGGC	716
OY		781	CCTCCCCTCTGTGCGCTTGTGAATTTTCCCAT	TAGAGCTCTTGSAACTGGCAGCCCTCTCTTTCA	820
Db		715	CCTCCCCTCTGTGCGCTTGTGAATTTTCCCAT	TAGAGCTCTTGSAACTGGCAGCCCTCTCTTTCA	656
OY		821	CCTGTTTCATCCTGTGCAAGCTGACACACA	CAGCTTAAGAGACCCTCATPAGCTGGCGGGGCTG	880
Db		655	CCTGTTTCATCCTGTGCAAGCTGACACACA	CAGCTTAAGAGACCCTCATPAGCTGGCGGGGCTG	597
OY		881	GCAGAAGCCACACCCCAAGTGCCTGTGCCCCA	AGAAGGCTTCACTAGCAGCCGCTCATCTCTCCA	940
Db		596	GCAGAAGCCACACCCCAAGTGCCTGTGCCCCA	AGAAGGCTTCACTAGCAGCCGCTCATCTCTCCA	537
OY		941	GCGCACTTTTAGAAGAGGTTTTTGTAGTAGT	TTTTTCTCGCTTTATAGCTCAGCC	1000
Db		536	GCGCACTTTTAGAAGAGGTTTTTGTAGTAGT	TTTTTCTCGCTTTATAGCTCAGCC	477
OY		1001	CCGCTTGACATGTGCTAGAGAACCCAGAGT	GCCATGTGCTACTGACAAAGTGCCTCAGCTT	1066
Db		476	CCGCTTGACATGTGCTAGAGAACCCAGAGT	GCCATGTGCTACTGACAAAGTGCCTCAGCTT	417
OY		1061	CCCCCGGCGCGGAGTCAAGAGCGGTGGGAG	CCCGTATTTATCTGAGTCTGTGCAAAAGACTC	1120
Db		416	CCCCCGGCGCGGAGTCAAGAGCGGTGGGAG	CCCGTATTTATCTGAGTCTGTGCAAAAGACTC	357
OY		1121	GTGGAGGSCCATATCAACACTGCTGTCAG	CGGAGCCGAGCCAGCAAGGCTCTTGTGTCTCACT	1180
Db		356	GTGGAGGSCCATATCAACACTGCTGTCAG	CGGAGCCGAGCCAGCAAGGCTCTTGTGTCTCACT	297
OY		1181	CAGGTTTGCTTCCCTGTGCGCCACTGTGAT	GTATGTGAGGAGGAGCCACACCCCTGTGCGGCT	1240
Db		236	CAGGTTTGCTTCCCTGTGCGCCACTGTGAT	GTATGTGAGGAGGAGCCACACCCCTGTGCGGCT	237
OY		1241	GAGCTCTGAGGCTGCTCCCTGTGTGTGAG	AGGGCGGAGGCTGTGTCTCATGAGCACTTCTCTCT	1300
Db		236	GAGCTCTGAGGCTGCTCCCTGTGTGTGAG	AGGGCGGAGGCTGTGTCTCATGAGCACTTCTCTCT	177
OY		1301	TGCTGCCACCCCTGTGACAGAGGAGAGG	GGCTTTTGCTGACACACCCAGACTTATGTAAAT	1360
Db		176	AGCTTCCACCCCTGTGACAGAGGAGAGG	GGCTTTTGCTGACACACCCAGACTTATGTAAAT	117
OY		1361	ATTCTGACAGTTGTACTTATGGAAGCCT	GGGAGAGGCGAGGAGTCCCACTGCTCCACAG	1420
Db		116	ATTCTGACAGTTGTACTTATGGAAGCCT	GGGAGAGGCGAGGAGTCCCACTGCTCCACAG	57
OY		1421	TCTGTGCTGTGCGAGTGTATATATAA	ATCGTGGGGAGATATCCCGGCTGTGGAGTGC	1476
Db		56	TCTGTGCTGTGCGAGTGTATATATAA	ATCGTGGGGAGATATCCCGGCTGTGGAGTGV	1
RESULT 6					
AL573537/c			1185 bp	mRNA	linear EST 31-MAY-2003
LOCUS					
DEFINITION			AL573537 Homo sapiens PLACENTA COT 25-NORMALIZED	Homo sapiens cDNA	
ACCESSION					
VERSION			AL573537.2	GI:31294882	
KEYWORDS			EST.		
SOURCE			Homo sapiens	(human)	
ORGANISM			Homo sapiens		
REFERENCE			Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;		
AUTHORS			Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
TITLE			Li,W.B., Gruber,C., Jessee,J. and Polayes,D.		
			1 (bases 1 to 1185)		
			Full-length cDNA libraries and normalization		

JOURNAL

Unpublished (2001)

On Feb 16, 2001 this sequence version replaced gi:12932878.

COMMENT

Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqret@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 8916.f For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CS01049DE09NP1&cluster=8916.f. Contact :
Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/Invitrogen Corporation 1600
Faraday Avenue Genoscope sequence ID : CS01049DE09NP1.

FEATURES

SOURCE

1..1185

/organism="Homo sapiens"
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/issue="PLACENTA COT 25-NORMALIZED"
/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="1st strand cDNA was primed with a NotI-oligo (dt)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized."

ORIGIN

Query Match 63.2%; Score 956; DB 9; Length 1185;
Best Local Similarity 92.3%; Pred.No.9.9e-161;
Matches 1042; Conservative 41; Mismatches 38; Indels 8; Gaps 8;

Dy 378 CTCTTTCAGCTCTGTGAGACCTTCTCTGTGTTGTGTTTCCTCTCTCAACCAACAG 437
Dy 1129 CYKCTTTCAGCTCTGTGAGACCTTCTCTGTGTTGTGTTTCCTCTCTCAACCAACAG 1070
Dy 438 TGGGCACTACCAACCCGGAAGAGAGCTGTGTGGGGGCCGACTCTGTGAGGGCAAGCATC 497
Dy 1069 T-GNSAATTCACCAACCCGGAAGAGAKKMYGTGTGGGGGCCMAATTT-TKARGGAGCCATC 1012
Dy 498 ACTTCAGCTCTCTTTCATCTTCTCTCTGGGGGTGTGTGCGTCCCTGGGCTTA-CCAGCG 556
Dy 1011 ACYTTCAGCTTTTTCATCTTCTCTCTGGGGGTGTGTGCGTCCCTGGGCTTAACAGCG 952
Dy 557 CTACAGGCTGTGGGTGAGCACTTCATCAAGATTACGTTGACC-CCACTCCGAGCCCCA 615
Dy 951 CTACAGGTTGGCTGTGAGCACTTCATCAAGATTACGTTGAGCTTCMAATTCGAGCCCCA 892
Dy 616 ACACTGCTACGCTCTCTCA-CCAGAGGATCTGTGAGCAACTACCAAGCCACCTTC 674
Dy 891 AMACTGCTACGCTCTCTCAACCCAGAGGATCTGTGAGCAACTACCAAGCCACCTTC 832
Dy 675 ACCCAGAGCGGAGACCAACGAGGCTTACAGCGCGCCCTGTGTATCTGAGTGGCGGTT 734
Dy 831 ACCCAGAGCGGAGACCAACGAGGCTTACAGCGCGCCCTGTGTATCTGAGTGGCGGTT 772
Dy 735 AGCTGGAGAGGGGAGACAGAGAGGCGCTCCCTCTGTGCGTTCGACTTCCATAGCCTC 794
Dy 771 AGCTGGAGAGGGGAGACAGAGAGGCGCTCCCTCTGTGCGTTCGACTTCCATAGCCTC 712
Dy 795 CTGAGACCTGACAGCGCTCTCTTTCATCTGTTCATCTGTGAGCTGACACACAGCTTA 854
Dy 711 CTGAGACCTGACAGCGCTCTCTTTCATCTGTTCATCTGTGAGCTGACACACAGCTTA 652
Dy 855 GGAAGCTTCATAGCTGGCGGGGGGTGTGGCAAGACCAACCCCAATGCTGTGCCCAAGG 914
Dy 651 GGAAGCTTCATAGCTGGCGGGGGGTGTGGCAAGACCAACCCCAATGCTGTGCCCAAGG 592
Dy 915 GCTTCAGTACAGCGCTCACTCTCAAGGACCTTTTGAAGAGGTTTAAAGTAGTGT 974
Dy 591 GCTTCAGTACAGCGCTCACTCTCAAGGACCTTTTGAAGAGGTTTAAAGTAGTGT 532
Dy 975 TTCTCTGCTTTTATGACTCAAGCCCGGCTGCAGTGGCTAGAGCCAGAGGTTGCCA 1034

QY 1013 GCTAG-AAGCCAGCAGAGTGGCCATGCTACTGACAGAGTGGCTCACTTCCCGCCG 1068
 Db 1020 GCTAGAAAGCCAGCAGAGTGGCCATGCTACTGACAGAGTGGCTCACTTCCCGCCG 1076
 RESULT 8
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 LOCUS 1201 bp mRNA linear EST 23-MAY-2003
 DEFINITION AL530640 Homo sapiens NEUROBLASTOMA COT 50-NORMALIZED Homo sapiens
 CDNA clone CS0DD008Y06 5-PRIME, mRNA sequence.
 AL530640
 ACCESSION AL530640 GI:31068473
 VERSION AL530640
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
 1 (bases 1 to 1201)
 REFERENCE Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
 TITLE Full-length cDNA libraries and normalization
 JOURNAL Unpublished (2001)
 COMMENT On Feb 13, 2001 this sequence version replaced gi:12794133.
 Contact: Genoscope
 Genoscope - Centre National de Sequencage
 BP 191 91006 EVRY cedex - France
 Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
 was normalized. Library was constructed by Life Technologies, a
 division of Invitrogen. This sequence belongs to sequence cluster
 8916.f For more information about this cluster, see
 http://www.genoscope.cns.fr/
 cgi-bin/cluster.cgi?seq=CS0DD008D03QPl&cluster=8916.f. Contact :
 Feng Liang Email : fliang@lifetech.com URL :
 http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
 Faraday Avenue Genoscope sequence ID : CS0DD008D03QPl.
 FEATURES
 source
 1. 1201
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="CS0DD008Y06"
 /tissue_type="NEUROBLASTOMA COT 50-NORMALIZED"
 /tissue="Homo sapiens NEUROBLASTOMA COT 50-NORMALIZED"
 /note="Left strand cDNA was primed with a NotI-oligo(dT)
 primer. Five prime end enriched, double-strand cDNA was
 digested with Not I and cloned into the Not I and Bscr V
 sites of the pCMVSPORT 6 vector. Library was normalized."
 ORIGIN
 Query Match 62.5%; Score 945.6; DB 9; Length 1201;
 Best Local Similarity 93.6%; Pred. No. 7,2e-159;
 Matches 1013; Conservative 31; Mismatches 32; Indels 6; Gaps 6;
 QY 35 CGCGCGGCGAGCGGAGATGAGAGCGGCGCTTACGCGCGGCGGCGGCGGCTCTT 94
 Db 63 SGGCGGCGAGCGGCGAGATGAGAGCGGCGCTTACGCGCGGCGGCGGCGGCGGCTCTT 122
 QY 95 CGACCTGCGGCGGCTTCTCTGACGAGCGGCGGCGGCGGCGGCGGCGGCTTCTT 154
 Db 123 CGACCTGCGGCGGCTTCTCTGACGAGCGGCGGCGGCGGCGGCGGCGGCTTCTT 181
 QY 155 CGCGCTGATGCTTCTCTGACGAGCGGCGGCGGCGGCGGCGGCGGCGGCTTCTT 214
 Db 182 CGCGCTGATGCTTCTCTGACGAGCGGCGGCGGCGGCGGCGGCGGCGGCTTCTT 241
 QY 215 GCAGATGATGCTGCTGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCTTCTT 274
 Db 242 GCAGATGATGCTGCTGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCTTCTT 301
 QY 275 GGTGCTGCGCTTCTCTGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCTTCTT 334
 Db 302 GGTGCTGCGCTTCTCTGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCTTCTT 361

QY 335 CAGCAAGCCACTGACCGGAGAGTACCGTGTGAGAGCTGCTCTGCACTCTCTG 394
 Db 362 CAGCAAGCCACTGACCGGAGAGTACCGTGTGAGAGCTGCTCTGCACTCTCTG 421
 QY 395 GACCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 454
 Db 422 GACCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 481
 QY 455 GAAAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 514
 Db 482 GAAAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
 QY 515 CATCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 574
 Db 541 CATCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
 QY 575 GCACTTATCCAGATTTAGCTTGAACCCCACTCCGAGACCCCAACAGCTGCTGCTGCT 634
 Db 601 GCACTTATCCAGATTTAGCTTGAACCCCACTCCGAGACCCCAACAGCTGCTGCTGCT 660
 QY 635 CCAAGTGCATCTGTGAGCAACTACCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 694
 Db 661 CCAAGTGCATCTGTGAGCAACTACCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 720
 QY 695 CCAAGTGCATCTGTGAGCAACTACCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 754
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 Db 841 CTTCACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 900
 QY 875 GAGGAGCTTCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 934
 Db 901 GAGGAGCTTCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 959
 QY 935 CTTCCAGGAGCACTTTTAGG-AAAGGCTTTTAACTGCTGCTGCTGCTGCTGCTGCTG 993
 Db 960 CTTCCAGGAGCACTTTTAGG-AAAGGCTTTTAACTGCTGCTGCTGCTGCTGCTGCTG 1019
 QY 994 CTGAGCCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1053
 Db 1020 CTGAGCCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1077
 QY 1054 TCACTTCCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1113
 Db 1078 TCACTTCCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1137
 QY 1114 AA 1115
 Db 1138 AA 1139
 RESULT 9
 AL558892
 LOCUS 1093 bp mRNA linear EST 31-MAY-2003
 DEFINITION AL558892 Homo sapiens T CELLS (TUBKAT CELL LINE) COT 10-NORMALIZED
 Homo sapiens cDNA clone CS0DD007Y009 5-PRIME, mRNA sequence.
 AL558892
 ACCESSION AL558892 GI:31283025
 VERSION AL558892
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
 1 (bases 1 to 1093)
 REFERENCE Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
 TITLE Full-length cDNA libraries and normalization
 JOURNAL Unpublished (2001)

Laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies). Note: this is a NIH-MGC Library."

ORIGIN

Query Match 62.0%; Score 937; DB 12; Length 1031;
Best Local Similarity 96.8%; Pred. No. 2,4e-157;
Matches 998; Conservative 0; Mismatches 27; Indels 6; Gaps 4;

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QY 46 GCGCATGAGAGAGCGGGCCCTACGCGCCGCCAAGAGGGGGCGCTCTTTCAGACTCGGCG 105
DB 1 GCGCATGAGAGAGCGGGCCCTACGCGCCGCCAAGAGGGGGCGCTCTTTCAGACTCGGCG 60
QY 106 GCTTCTGACGACCGCCAGAGGTGGTGGCGCGCGCGTGTGCTTGTGCTTTCGCTTGATCG 165
DB 61 GCTTCTGACGACCGCCAGAGGTGGTGGCGCGCGCGTGTGCTTGTGCTTTCGCTTGATCG 120
QY 166 TGTTCCTGATCTATGCTGAGGGCTACAGCAATGCCACAGTCTAAGACATGTAAT 225
DB 121 TGTTCCTGATCTATGCTGAGGGCTACAGCAATGCCACAGTCTAAGACATGTAAT 180
QY 226 GCGTGTCAACCGCAGCAGAGATGCTGCGCTATGAGCAGTGCATCGGGGCTGCTGAGCT 285
DB 181 GCGTGTCAACCGCAGCAGAGATGCTGCGCTATGAGCAGTGCATCGGGGCTGCTGAGCT 240
QY 286 TCCTGCGCTCGGCTTCTTCTTGTGAGTGCAGCGGATTTCCCCAGATCAGACAGCA 345
DB 241 TCCTGCGCTCGGCTTCTTCTTGTGAGTGCAGCGGATTTCCCCAGATCAGACAGCA 300
QY 346 CTGACCGAGATACCTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 405
DB 301 CTGACCGAGATACCTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 360
QY 406 GGTGTGTGTTCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 465
DB 361 GGTGTGTGTTCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 420
QY 466 TGTGTGGGGGGCGGACCTGATGAGGGCGAGCATACCTTCACTCTTTCATCTTCTCT 525
DB 421 TGTGTGGGGGGCGGACCTGATGAGGGCGAGCATACCTTCACTCTTTCATCTTCTCT 480
QY 526 GGGGTGTGCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 585
DB 481 GGGGTGTGCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 540
QY 586 AGAATTAGTGTGATCCCACTCCGACCCCAACCTGCTTACGCTTCTTCTTCTTCTT 645
DB 541 AGAATTAGTGTGATCCCACTCCGACCCCAACCTGCTTACGCTTCTTCTTCTTCTT 600
QY 646 CTGTGACCACTACCAACAGCCCTTCAACCCAGAAAGCGAGACCAACCGAGGGCTACC 705
DB 601 CTGTGACCACTACCAACAGCCCTTCAACCCAGAAAGCGAGACCAACCGAGGGCTACC 660
QY 706 AGCGCGCCCTGCTGATGAGTGGCGGTGAGCGTGGAGAGGGGAGAGAGAGGCGCTCC 765
DB 661 AGCGCGCCCTGCTGATGAGTGGCGGTGAGCGTGGAGAGGGGAGAGAGAGGCGCTCC 720
QY 766 CCTCTGCGCTGAGCTTTCCTTCCATCAGCTCTGATGATGATGATGATGATGATGAT 825
DB 721 CCTCTGCGCTGAGCTTTCCTTCCATGAGCTCTGATGATGATGATGATGATGATGAT 780
QY 826 TCCTATCTGTGAGTGTGACACAGCTTAAGAGGCTCTATAGCC--TGGCGGGGGCTGGCA 883
DB 781 TCCTATCTGTGAGTGTGACACAGCTTAAGAGGCTCTATAGCC--TGGCGGGGGCTGGCA 840
QY 884 GAGCGACACCCCAAGTGTGCTGCGCAGAGGGCTTCAATGACGCGCTCACTCTTCCAGGG 943
DB 841 AAGCGACACCCCAAGTGTGCTGCGCAGAGGGCTTCAATGACGCGCTCACTCTTCCAGGG 900
QY 944 CACTTTTA--GGAAGAGGTTTAACTAGTGTGTTTCTGCTTCTTAACTAGCTCAAGCC 1001
DB 901 ACTTTTAAAGAAAGGTTTAACTAGTGTGTTTCTGCTTCTTAACTAGCTCAAGCC 960

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QY 1002 GCGCTGACG-TGGCTAGAGAGCCAGAGGTGCGCCATGTG-CTACTGACAAATGCTCAGCT 1059
DB 961 GCGCTGACG-TGGCTAGAGAGCCAGAGGTGCGCCATGTG-CTACTGACAAATGCTCAGCT 1020
QY 1060 TCCCCCGCGCC 1070
DB 1021 CCCCCCGCGCC 1031

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RESULT 11

BM920554 1093 bp mRNA linear EST 12-MAR-2002
LOCUS AGNCOURT_6709586 NIH_MGC_122 Homo sapiens cDNA clone IMAGE:5750562
DEFINITION 5', mRNA sequence.

ACCESSION BM920554
VERSION BM920554.1 GI:19370933
KEYWORDS EST
SOURCE Homo sapiens (human)

ORGANISM

Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.

REFERENCE

1 (bases 1 to 1093)
NIH-MGC <http://mgs.nci.nih.gov/>.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)

AUTHORS

TITLE

JOURNAL

COMMENT

CONTACT

EMAIL

Tissue

CDNA

DNA

Clone

found

http://

Plate:

High

Location/Qualifiers

1. 1093

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="taxon:9606"

/clone="IMAGE:5750562"

/lab_host="DH10B"

/clone_id="NIH_MGC_122"

/note="Organ: pooled lung and spleen; Vector: pCMV-Sport6; Site 1: NotI; Site 2: EcoRV (destroyed); RNA source anonymous pool of 24 week female lung, 16 week female spleen, and 20-22 week male spleens. Library is oligo-dT primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.4 kb, insert size range 1-3 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 026. Note: this is a NIH-MGC Library."

FEATURES

source

ORIGIN

Query Match 60.7%; Score 918.4; DB 12; Length 1093;
Best Local Similarity 94.1%; Pred. No. 5.1e-154;
Matches 1010; Conservative 0; Mismatches 52; Indels 11; Gaps 5;

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QY 49 ACATGAGAGAGGAGGCTTACGAGCGGCGCAAGGCGGGGCGCTCTTCACTGAGCGCGCT 108
DB 20 ACATGAGAGAGGAGGCTTACGAGCGGCGCAAGGCGGGGCGCTCTTCACTGAGCGCGCT 79
QY 109 TCCTACCGAGCGCAGGTGTGTGCGCGCGCGCGTGTGCTTGTGCTTTCGCTTGAATGCT 168
DB 80 TCCTACCGAGCGCAGGTGTGTGCGCGCGCGCGTGTGCTTGTGCTTTCGCTTGAATGCT 139
QY 169 TCCTCTGATCTATGAGTGTGAGGCTTACAGCAATGCCAGAGTCTTAAGAGATGTAATG 228
DB 140 TCCTCTGATCTATGAGTGTGAGGCTTACAGCAATGCCAGAGTCTTAAGAGATGTAATG 199

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Db      551 GGGACATTTAGAGAAAGGTTTGTAGTGTGTTTCCCTGCTTTAATGACCTGAGCC 492
Qy      1001 CCGCTGCAATGCTGCTAGAGCCAGAGGTGCCATGTGCTACTGACAGTGCCTGACTT 1060
Db      491 CCGCTGCAATGCTGCTAGAGCCAGAGGTGCCATGTGCTACTGACAGTGCCTGACTT 432
Qy      1061 CCGCTGCAATGCTGCTAGAGCCAGAGGTGCCATGTGCTACTGACAGTGCCTGACTT 1120
Db      431 CCGCTGCAATGCTGCTAGAGCCAGAGGTGCCATGTGCTACTGACAGTGCCTGACTT 372
Qy      1121 GTGGGGGCAATCAACCTGCTGTGTGAGCGAGCGGAGCCAGGCTTGTGTCTGACT 1180
Db      371 GTGGGGGCAATCAACCTGCTGTGTGAGCGAGCGGAGCCAGGCTTGTGTCTGACT 312
Qy      1181 CAGGTTGCTTCCCTGTGCGGCACTGCTATATATCTGAGGGGCGACACCTGTGCGGCT 1240
Db      311 CAGGTTGCTTCCCTGTGCGGCACTGCTATATATCTGAGGGGCGACACCTGTGCGGCT 252
Qy      1241 GGCCTGTGGGCTGCTCCGCTGTGTGTGAGGGCGGGGCTGTGTCTCATGTGCACTTCTCT 1300
Db      251 GGCCTGTGGGCTGCTCCGCTGTGTGTGAGGGCGGGGCTGTGTCTCATGTGCACTTCTCT 192
Qy      1301 TGTCTCCACCCCTGCGGAGAGAGAGGCTTGTGCTGACAAACCAAGCTTTATGTAAT 1360
Db      191 TGTCTCCACCCCTGCGGAGAGAGAGGCTTGTGCTGACAAACCAAGCTTTATGTAAT 132
Qy      1361 ATTCTGAGTTGTTACTTATAGAAAGCTGAGGAGAGGAGGAGGCTGCTGCTGCTGCTG 1420
Db      131 ATTCTGAGTTGTTACTTATAGAAAGCTGAGGAGAGGAGGAGGCTGCTGCTGCTGCTG 72
Qy      1421 TCTGTCTGTGCGGAGGTATATATATCTGTGAGGAGATGCCGCGCTGTGAGTGTGTT 1480
Db      71 TCTGTCTGTGCGGAGGTATATATATCTGTGAGGAGATGCCGCGCTGTGAGTGTGTT 14
Qy      1481 TGGAGACGG 1489
Db      13 KGNBBGGG 5

RESULT 13
BMS47376      1047 bp      mRNA      linear      EST 20-FEB-2002
LOCUS      AGENCOURT 6507590 NIH_MGC_125 Homo sapiens cDNA IMAGE:572424
DEFINITION      5' mRNA Sequence.
ACCESSION      BMS47376
VERSION      BMS47376.1 GI:18781091
KEYWORDS      EST.
SOURCE      Homo sapiens (human)
ORGANISM      Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE      1 (Dates 1 to 1047)
AUTHORS      NIH-MGC http://mgi.nci.nih.gov/.
TITLES      National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL      Unpublished (1999)
COMMENT      Contact: Robert Strausberg, Ph.D.
      Email: rgs@bms-remail.nih.gov
      Tissue Procurement: Invitrogen
      cDNA Library Preparation: Life Technologies, Inc.
      cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LMNL)
      DNA Sequencing by: Agencourt Bioscience Corporation
      Clone distribution: MGC clone distribution information can be
      found through the I.M.A.G.E. Consortium/LMNL at:
      http://image.lmnl.gov
      Plate: L1AM12713 row: 9 column: 13
      High quality sequence stop: 675.
      Location/Qualifiers
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        /mol_type="mRNA"
        /db_xref="taxon:9606"
        /clone="IMAGE:572424"
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/clone.lib="NIH_MGC_125"
/ncore="Organ: ovary (pool of 3); Vector: pCMV-SPORT6;
Site_1: EcoRV (destroyed); Site_2: NotI. RNA source pool
of three ovaries, from females ranging in age from 38 to
49 yo. Library is oligo-dT primed and directionally cloned
(EcoRV site is destroyed upon cloning). Average insert
size 2.1 kb, insert size range 1.3-3.5 kb. Library is
normalized and enriched for full-length clones and was
constructed by C. Gruber (Invitrogen). Research Genetics
tracking code 036."

ORIGIN
Query Match      60.4%; Score 913.6; DB 12; Length 1047;
Best Local Similarity 94.6%; Pred. No. 3.7e-153;
Matches 990; Conservative 0; Mismatches 50; Indels 7; Gaps 4;

24 GCGCGGCGACGCGCGCGAGAGCGGAGATGAGAGCGCGGCGCTACCGCGGCGCAAGCG 83
1 GCGCGGCGACGCGCGCGAGAGCGGAGATGAGAGCGCGGCGCTACCGCGGCGCAAGCG 60
84 GCGCGCTCTTGAACCTGCGCGGCTTCTGACGAGCGCGAGGTGTGTGCGCGCGCGTG 143
61 GCGCGCTCTTGAACCTGCGCGGCTTCTGACGAGCGCGAGGTGTGTGCGCGCGCGTG 120
144 TGTCTGTCTTGTGCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 203
121 TGTCTGTCTTGTGCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 180
204 CACAGCTAAGCAGATATATCTGCGTGTCAACCGCAAGAGATGTGCTGCGCTATAGC 263
181 CACAGCTAAGCAGATATATCTGCGTGTCAACCGCAAGAGATGTGCTGCGCTATAGC 240
264 AGTGCATCGGAGGTGTGCTTCTTCTGCGCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 323
241 AGTGCATCGGAGGTGTGCTTCTTCTGCGCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 300
324 TTCCCGCAGATCAGCAAGCAGCACTGACCGCAAGTACCTGTGTAAGCTGCTCTTC 383
301 TTCCCGCAGATCAGCAAGCAGCACTGACCGCAAGTACCTGTGTAAGCTGCTCTTC 360
384 TCAGCTCTGTGACCTTCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 443
361 TCAGCTCTGTGACCTTCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 420
444 GTACACCAACCGGAGAGAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 503
421 GTACACCAACCGGAGAGAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 480
504 AGCTTCTTTCATCTTCTCTGTGAGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 563
481 AGCTTCTTTCATCTTCTCTGTGAGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 540
564 GGTGCGGTGAGAGATTTATCCAGAAATTAAGTACCCCACTCGGAGCCCAACAGTGGC 623
541 GGTGCGGTGAGAGATTTATCCAGAAATTAAGTACCCCACTCGGAGCCCAACAGTGGC 600
624 TAGGCTCTTACCCAGGTGATCTGTGAGCACTTACCAAGCAAGCAAGCAAGCAAGCAAG 683
601 TAGGCTCTTACCCAGGTGATCTGTGAGCACTTACCAAGCAAGCAAGCAAGCAAGCAAG 660
684 GGGAGAGACCAAGAGAGGTATCCAGCGCGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGT 743
661 GGGAGAGACCAAGAGAGGTATCCAGCGCGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGT 720
744 AGGGGAGACAGAGAGGCGCTTCTGCTGCGCTGAGCTTTCATCAGCTCTGTGAGCTG 803
721 AGGGGAGACAGAGAGGCGCTTCTGCTGCGCTGAGCTTTCATCAGCTCTGTGAGCTG 780
804 CAGAGCCCTCTTTCACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 863
781 CAGAGCCCTCTTTCACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 840
864 TAGGC-TGGCGGAGGCTGAGAGAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 922

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	Db	841	TACCTTGCGCGGGCTGGCAAAACCAACCCCAAGTCCTGTGGCCAGAGGGCTTTAGT	900
Qy	923	CAGCCGCTCATCTCTCCAGGGGAC--TTTATGAAAGGGTTTATGCT-AGTGTTTTTC	979	
Db	901	TAACCGCTCAATCCCTCAGGGAACCTTTTATGAAAGGGTTTATACCTAAGGTTTTC	960	
Qy	980	TGCGTTTATATGACCTTCAGCCCGCGCTTCAGTGG--CTAGAAGCCACAGTGCCTCAT	1038	
Db	961	CCCGTTTATATGACCTCAACCCCGCTTCAGAGGGGCTTAAAAACCCCAAGGGGCCACTGG	1028	
Qy	1037	TGCTACTGACAAGTGCCTCAGTTCCC	1063	
Db	1021	GCTTACTTACAAATGCTCTCCCTTTCC	1047	
RESULT 14				
AL571941/c		1201 bp	mRNA	linear
LOCUS				EST 31-MAY-2003
DEFINITION	AL571941 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens CDNA			
ACCESSION	clone CS0DI029YE05 3-PRIME, mRNA sequence.			
VERSION	AL571941			
KEYWORDS	AL571941.2 GI:31293331			
SOURCE	EST.			
ORGANISM	Homo sapiens (human)			
REFERENCE	Homo sapiens			
AUTHORS	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;			
TITLE	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.			
JOURNAL	1 (bases 1 to 1201), Gruber, C., Jesssee, J. and Polayes, D.			
COMMENT	Full-length cDNA libraries and normalization			
	Unpublished (2001)			
	On Feb 16, 2001 this sequence version replaced gi:12929733.			
	Contact: Genoscope			
	Genoscope - Centre National de Sequencage			
	BP 191 91006 Evry cedex - France			
	Email: seires@genoscope.cns.fr, Web : www.genoscope.cns.fr			
	Library was constructed by Life Technologies, a division of			
	Invitrogen. This sequence belongs to sequence cluster 8916.f For			
	more information about this cluster, see			
	http://www.genoscope.cns.fr/			
	cgi-bin/cluster.cgi?seq=CS0DI029AC03NP1&cluster=8916.f. Contact :			
	Feng Liang Email : fliang@lifetech.com URL :			
	http://fulllength.invitrogen.com/ Invitrogen Corporation 1600			
	Paradey Avenue Genoscope sequence ID : CS0DI029AC03NP1.			
FEATURES				
Source	Location/Qualifiers			
	1..1201			
	/organism="Homo sapiens"			
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	/clone="CS0DI029YE05"			
	/issue_type="PLACENTA COT 25-NORMALIZED"			
	/clone_id="Homo sapiens PLACENTA COT 25-NORMALIZED"			
	/note="1st strand cDNA was primed with a NotI-oligo (dT)			
	primer. Five prime end enriched, double-strand cDNA was			
	digested with Not I and cloned into the Not I and EcoR V			
	sites of the pOWMSport 6 vector. Library was normalized."			
ORIGIN				
	60.2%; Score 910.2; DB 9; Length 1201;			
	Query Match			
	Best Local Similarity 96.2%; Pred. No. 1,5e-157;			
	Matches 935; Conservative 6; Mismatches 30; Indels 1; Gaps 1;			
Qy	506	CTTCTTTTCATCTTCTCTCGGGGTGTGCTGAGCTCCTGTGCTTACAGCGCTTACAGGC	565	
Db	971	CTTACGCTTTTTCATCTCTCTCGGGGTGTGCTCCTCTCTTACAGCGCTTACAGGC	912	
Qy	566	TGGGCTGAGCACTTCAATTCAGAAATTACGTGACCCCACTCGGACCCCAACAATGCTCTA	625	
Db	911	TGGGCTGAGCACTTCAATTCAGAAATTACGTGACCCCACTCGGACCCCAACAATGCTCTA	852	
Qy	626	CGCTCTTACCCAGGTGATCTGTGACAACTACCAAGCCACCTTACCCAGAAAGC	685	

Db	851	CGCTCTCCACCCAGAGTGCATCTGT- GAACAATAACCAAGCACCCTTCAACCCAGAAACGC	793
Qy	686	GGAAACCAACGAGGGGCTACACAGCCGCCCCCTGTGTACTAGATGGCGGTGAGCGTGGAAAG	745
Dd	792	GGAAACCAACGAGGGGCTACACAGCCGCCCCCTGTGTACTAGAGCGCGGTGAGCGTGGAAAG	733
Qy	746	GGGACAGAGAGGGGCGCTCCCTCTGTGCCTTGAATTTCATCAGCCCTCTTGAACCTGCC	805
Dd	732	GGGACAGAGAGGGGCGCTCCCTCTGTGCCTTGAATTTCATCAGCCCTCTTGAACCTGCC	673
Qy	806	AGCCCTCTCTTTTACCTGTTCATCTGTGACCTGTGACACAGCTTAAGAGGCTCAATA	865
Dd	672	AGCCCTCTCTTTTACCTGTTCATCTGTGACCTGTGACACAGCTTAAGAGGCTCAATA	613
Qy	866	GCCTGTGCGGGGGGCTGGCAGAACCAACACCCCAAGTGCCTGTGCCAGAGAGGCTTCACTCAG	925
Dd	612	GCCTGTGCGGGGGGCTGGCAGAACCAACACCCCAAGTGCCTGTGCCAGAGAGGCTTCACTCAG	553
Qy	926	CCGCTCACTCCTCCAGGGGCACTTTTAAAGAAAGGTTTAAAGTGTGTTTTCCTCGCTT	985
Dd	552	CCGCTCACTCCTCCAGGGGCACTTTTAAAGAAAGGTTTAAAGTGTGTTTTCCTCGCTT	493
Qy	986	TTAATGACCTCAGCCCGGCTGACAGTGGCTTAAGAACGACAGAGTGCCTCATGTGCTACGA	1045
Dd	492	TTAATGACCTCAGCCCGGCTGACAGTGGCTTAAGAACGACAGAGTGCCTCATGTGCTACGA	433
Qy	1046	CAATGTGCTCAGCTTCCCGCGCGCGGGTCAAGGCGGTGGAGAGCGCTATTAATCTGGGTT	1105
Dd	432	CAATGTGCTCAGCTTCCCGCGCGCGGGTCAAGGCGGTGGAGAGCGCTATTAATCTGGGTT	373
Qy	1106	CTGTGCCAAAGACTGTGTGGGGGCGATCAACACTGCTGTGACAGCGGAGCCGACCAAGGC	1165
Dd	372	CTGTGCCAAAGACTGTGTGGGGGCGATCAACACTGCTGTGACAGCGGAGCCGACCAAGGC	313
Qy	1166	TCTGTGTCTCCGACTCAGAGTGTGTTTCCCTGTGCCACAGCTGTATGATTTGGGGGCGCA	1225
Dd	312	TCTGTGTCTCCGACTCAGAGTGTGTTTCCCTGTGCCACAGCTGTATGATTTGGGGGCGCA	253
Qy	1226	CCACCCCTGTGCGGGTGCGCTTGTGGGCTGCTCCGTGTGTGAGAGGCGGGGCTGTGTCTC	1285
Dd	252	CCACCCCTGTGCGGGTGCGCTTGTGGGCTGCTCCGTGTGTGAGAGGCGGGGCTGTGTCTC	193
Qy	1286	ATGGCACTTCCTCTTGTCTCCACCCCTGTGACAGAGGAGGAGGCTTGTGCTGACACAC	1345
Dd	192	ATGGCACTTCCTCTTGTCTCCACCCCTGTGACAGAGGAGGAGGCTTGTGCTGACACAC	133
Qy	1346	CAGCTTATATGAATATATTCGACAGTGTGAATTAGAGAGCCTGTGGAGAGGCGAGGCTGTGC	1405
Dd	132	CAGCTTATATGAATATATTCGACAGTGTGAATTAGAGAGCCTGTGGAGAGGCGAGGCTGTGC	73
Qy	1406	CCATGAGCTCCCGACGCTGTGCTGTGCGAGAGGTATTAATAATGATGAGGAGAGATGCGCG	1465
Dd	72	CCATGAGCTCCCGACGCTGTGCTGTGCGAGAGGTATTAATAATGATGAGGAGAGATGCGCG	13
Qy	1466	GCCTGTGAGTGCCT 1477	
Dd	12	GMATGATGAT 1	
RESULT 15			
AL546400			
LOCUS	AL546400	1201 bp	mRNA linear EST 31-MAY-2003
DEFINITION	AL546400 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens CDNA		
ACCESSION	AL546400		
VERSION	AL546400.2	GI:31268234	
KEYWORDS	EST.		
SOURCE	Homo sapiens (human)		
ORGANISM	Homo sapiens		
REFERENCE	Eukaryotes; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.		
AUTHORS	Ll.W.B., Gruber,C., Jessee,J. and Polayes,D.		

Best Local Similarity 95.9%; Pred. No. 9,4e-152;
Matches 919; Conservative 12; Mismatches 26; Indels 1; Gaps 1;

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QY 537 GCGTCCCTGGGCTTACCAAGGCTGAGGCTGGGCTGAGCACTTTCATCCAGATTACGTT 596
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QY 597 GACCCCACTCCGAGCCCAACACTGCTTACGCTCTCTACCCAGATGATCTGTGACAAC 656
Db 899 GACCCCACTCCGAGCCCAACACTGCTTACGCTCTCTACCCAGATGATGTGT-6ACAAC 841
QY 657 TACCAACAGCCACCTTCAACCCAGAAAGCGGAGACCAACGAGGCTTACACGCCCTCT 716
Db 840 TACCAACAGCCACCTTCAACCCAGAAAGCGGAGACCAACGAGGCTTACACGCCCTCT 781
QY 717 GTGACTGATGAGGCTTACGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 776
Db 780 GTGACTGATGAGGCTTACGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 721
QY 777 GACTTTCCTTCAAGCTCTCTGAACTGCAAGCCCTCTCTTTCACCTGTTCCATCTGTG 836
Db 720 GACTTTCCTTCAAGCTCTCTGAACTGCAAGCCCTCTCTTTCACCTGTTCCATCTGTG 661
QY 837 CAGGTGACACAGCTAAGAGGCTTACCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 896
Db 660 CAGGTGACACAGCTAAGAGGCTTACCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 601
QY 897 AGTGTCTGTGCTTCAAGGAGGCTTACCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 956
Db 600 AGTGTCTGTGCTTCAAGGAGGCTTACCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 541
QY 957 GGGTTTTTACTAGTGTGTTTCTGCTTTTATGAGCTTCAAGGAGGAGGAGGAGGAGGAG 1016
Db 540 GGGTTTTTACTAGTGTGTTTCTGCTTTTATGAGCTTCAAGGAGGAGGAGGAGGAGGAG 481
QY 1017 GAAGCCAGAGCTGAGGCTTGTGCTTACGAAAGTGTGCTTCAAGGAGGAGGAGGAGG 1076
Db 480 GAAGCCAGAGCTGAGGCTTGTGCTTACGAAAGTGTGCTTCAAGGAGGAGGAGGAGG 421
QY 1077 AGGCGGTGAGGAGGCTTATATCTGCTTCTGCTTCTGCTTCTGCTTCTGCTTCTG 1136
Db 420 AGGCGGTGAGGAGGCTTATATCTGCTTCTGCTTCTGCTTCTGCTTCTGCTTCTGCT 361
QY 1137 CTGCGCTGTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1196
Db 360 CTGCGCTGTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 301
QY 1197 GTGCGCACTGTGTATGATGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1256
Db 300 GTGCGCACTGTGTATGATGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 241
QY 1257 CCGGTGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1316
Db 240 CCGGTGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 181
QY 1317 AGCAGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1376
Db 180 AGCAGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 121
QY 1377 TTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1436
Db 120 TTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 61
QY 1437 GTATTATTAATGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1494
Db 60 GTATTATTAATGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3

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RESULT 17
AL557237 1201 bp mRNA linear EST 31-MAY-2003
LOCUS AL557237 Homo sapiens T CELLS (JURKAT CELL LINE) Homo sapiens cDNA
DEFINITION clone CS0DH004YL10 5-PRIME, mRNA sequence.

ACCESSION AL557237
VERSION AL557237.2 GI:31279037
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
REFERENCE 1 (bases 1 to 1201)
AUTHORS Li W.B., Gruber C., Jesse J., and Polayes D.
TITLE Full-length cDNA libraries and normalization
JOURNAL Unpublished (2001)
COMMENT On Feb 15, 2001 this sequence version replaced gi:1290646.
Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 Evry cedex - France
Email: segref@genoscope.cns.fr, Web : www.genoscope.cns.fr
was not normalized. Library was constructed by Life Technologies, a
division of Invitrogen. This sequence belongs to sequence cluster
8916.f For more information about this cluster, see
<http://www.genoscope.cns.fr/cgi-bin/cluster.cgi?seq=CS0DH004DF05QPLcluster=8916.f>. Contact :
Feng Liang Email : fliang@life.com URL : <http://fulllength.invitrogen.com/> Invitrogen Corporation 1600
Paradey Avenue genoscope sequence ID : CS0DH004DF05QPL.

FEATURES
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/clone="CS0DH004YL10"
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/cell_line="JURKAT CELL LINE"
/clone_id="Homo sapiens T CELLS (JURKAT CELL LINE)"
/note="Vector: pCMVSPORT 6, 1st strand cDNA was primed
with a NotI-oligo (dT) primer. Five prime end enriched,
double-strand cDNA was digested with Not I and cloned into
the Not I and EcoRV sites of the pCMVSPORT 6 vector.
Library was not normalized."

ORIGIN

Query Match 59.9%; Score 905.2; DB 9; Length 1201;
Best Local Similarity 96.8%; Pred. No. 1.2e-151;
Matches 972; Conservative 4; Mismatches 22; Indels 6; Gaps 5;

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QY 17 CGCGTGGGCGCGCGGAGCGCGCGGAGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 76
Db 57 CGCGGATGCGGCGGAGCGCGCGGAGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 116
QY 77 CAAGCGGCGGCGCTCTTGCAGCTGCGGAGCTTCTGAGCAGGCGGAGGAGGAGGAGGAGG 135
Db 117 CAAGCGGCGGCGCTCTTGCAGCTGCGGAGCTTCTGAGCAGGCGGAGGAGGAGGAGGAGG 176
QY 136 GCGCGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 195
Db 177 GCGCGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 236
QY 196 GCAATGCCAGAGATCTAAGATGATGATGATGATGATGATGATGATGATGATGATGATG 255
Db 237 GCAATGCCAGAGATCTAAGATGATGATGATGATGATGATGATGATGATGATGATGATG 296
QY 256 GCTATGAGAGTGTGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 315
Db 297 GCTATGAGAGTGTGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 356
QY 316 ACGGATATTTCCCGCAGATGAGCAAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 375
Db 357 ACGGATATTTCCCGCAGATGAGCAAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 416
QY 376 TGCTCTTCTAGCTCTGTGACCTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 435
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Db 477 AGTGGGAGTACCAACCCGAA-GACGTGCTGGTGGGGCCGACTGTGAGGGAGCCCA 535
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Qy 556 GCTTCAAGGCTGGGTGAGAGCACTTCAACGAATTACGTTGACCCCACTCCGAGCCCA 615
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Db 716 CCCGAAAGCGGAGAACCAAGGAGCTTACAGAGCCGCTGTGTACTAGTGGCGTTA 775
Qy 736 GCGTGGGAGGAGGAGACAGAGAGGAGCCCTCCCTCTGAGCTTCCCATGAGCTCC 795
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Qy 856 GAGGCTCATAGCTTGGGAGGAGCTGGAGAGCCACACCCAGTGCCTGGCCAGAGG 915
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Qy 916 CTTCAGTCAAGCCGCTCACTCTCTCAGAGGCACTTTAGAAAGGATTTTATAGTAGT 975
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DEFINITION clone CSOD1031Y02 3-PRIME, mRNA sequence.
ACCESSION AL571749
VERSION AL571749.2 GI:31293140
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
1 (bases 1 to 1201)
Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
Full-length cDNA libraries and normalization
Unpublished (2001)
On Feb 16, 2001 this sequence version replaced gi:12929355.
Contact: Genoscope

```

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Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 8916.f. For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CSOD1031YB01NPL&cluster=8916.f. Contact :
Peng Liang Email : filiang@lifetech.com URL :
http://fulllength.invitrogen.com/Invitrogen Corporation 1600
Parade Avenue Genoscope sequence ID : CSOD1031YB01NPL.
Location/Qualifiers

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/notes="1st strand cDNA was primed with a NotI-cligc (dt)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized."

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Query Match 59.8%; Score 904.6; DB 9; Length 1201;
Best Local Similarity 96.1%; Pred. No. 1.5e-15;
Matches 947; Conservative 10; Mismatches 24; Indels 4; Gaps 3;

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Qy 527 GGGTGTGCTGAGCTCCCTGAGCTACAGAGCTGAGAGGCTGAGAGCTTATCA 586
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Qy 587 GAATTAGCTTGAACCCACTCCGAGACCCCAACAGCTGCTTCTTCTTACCTGATC 646
Db 899 RAATTACGTTGACCCCACTCCGAGACCCCAACAGCTGCTTCTTCTTACCTGATC 840
Qy 647 TGTGAGAACTACCAAGAGCCACCTTACCCAGAGAGAGAGAGAGAGAGAGAGAGAG 706
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Qy 1187 TGCTTCCCTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1246
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Db 240 TGGGTGCTTCCCTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 181
Qy 1307 CACCCCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1366
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 Db 910 TGGAGACCTTATCCAGATTTC-TTGACCCCACTCCGGAACCCCAAGCTGCTACGCT 852
 QY 631 CCTACCCAGTGCATCTGTGCAACATAC-ACAGCAACCTTCCAGACCGGAG 689
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 Db 732 ACAGAGAGGAGCCCTCCCTCTGCTGAGCTTCCATCAGCTCTGAACTGCAAGC 673
 QY 810 CCTCTCTTCACTTTCATCTGTGCAACATAC-ACAGCAACCTTCCAGACCGGAG 869
 Db 672 CCTCTCTTCACTTTCATCTGTGCAACATAC-ACAGCAACCTTCCAGACCGGAG 613
 QY 870 GCGCGGAGGCTGAGCAAGCAACCCCAAGTGTGCTGAGAGGAGCTTCACTGAGCGC 929
 Db 612 GCGCGGAGGCTGAGCAAGCAACCCCAAGTGTGCTGAGAGGAGCTTCACTGAGCGC 553
 QY 930 TCACTCTTCCAGAGGCACTTTTGAAGAGGTTTAAAGTGTGTTTCTGCTTTTAA 989
 Db 552 TCACCTCTCCAGAGGCACTTTTGAAGAGGTTTAAAGTGTGTTTCTGCTTTTAA 493
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 DEFINITION BX377649 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
 clone CS0D1009Y104 3-PRIME, mRNA sequence.
 ACCESSION BX377649

VERSION BX377649.1 GI:30450591
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 1201)
 AUTHORS Li, W.B., Gruber, C., Jessee, J. and Polyes, D.
 TITLE Full-length cDNA libraries and normalization
 JOURNAL Unpublished (2001)
 COMMENT Contact: Genoscope
 Genoscope - Centre National de Sequencage
 BP 191 91006 EVRY cedex - France
 Email: seqref@genoscope.cns.fr, Web: www.genoscope.cns.fr
 Library was constructed by Life Technologies, a division of
 Invitrogen. This sequence belongs to sequence cluster 8916.f For
 more information about this cluster, see
 http://www.genoscope.cns.fr/
 cgi-bin/cluster.cgi?seq=CS0D1009B02NP1&cluster=8916.f. Contact :
 Feng Liang Email: fliang@lifetech.com URL :
 http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
 Faraday Avenue Genoscope sequence ID : CS0D1009B02NP1.
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 /note="Left strand cDNA was primed with a NotI-oligo(dT)
 primer. Five prime end enriched, double-strand cDNA was
 digested with Not I and cloned into the Not I and EcoR V
 sites of the pCMVSPORT 6 vector. Library was normalized."
 ORIGIN
 Query Match 59.2%; Score 894.6; DB 13; Length 1201;
 Best Local Similarity 89.0%; Pred. No. 9,5e-150;
 Matches 957; Conservative 40; Mismatches 73; Indels 5; Gaps 4;
 QY 395 GACCTTCCTGTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 454
 Db 1070 GACCTTCCTGTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1014
 QY 455 GAAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 514
 Db 1013 AAAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 955
 QY 515 CATCTTCTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 574
 Db 954 CWTCTTCTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 895
 QY 575 CGACTTCATCCAGAAATTAGTTGAGCCCACTCCGAGCCCAACTGCTTCTCTCTA 634
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 QY 635 CCAGAGTGCATGTGAGCAATTAACCAAGCAACCTTCAACCCGAGAGGAGGAGGAGGAG 694
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 QY 695 CGAGGAGTACAGAGCCGCCCTGTGTACTAGTGGCGGTAGCCGTGAGAGGAGGAGGAG 754
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 QY 755 GAGGAGCCCTCCCTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 814
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 Db 654 CTTTCACTTTCATCTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 595
 QY 875 GGGCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 934

QY 921 GTACGCGCTGACCTCTCCAGGACCTTTTAGAAGGTTTCTAGCTAGTCTTTCT 980
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 QY 981 CGCTTTATGACCTCAAGCC 1001
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 ACCESSION BM923973
 VERSION BM923973.1 GI:19374352
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
 REFERENCE 1 (bases 1 to 981)
 NIH-MGC http://mgi.nci.nih.gov/.
 JOURNAL National Institutes of Health, Mammalian Gene Collection (MGC)
 COMMENT Unpublished (1999)
 Contact: Robert Strausberg, Ph.D.
 Email: csapbs-remail.nih.gov
 Tissue Procurement: Life Technologies, Inc.
 CDNA Library Preparation: Life Technologies, Inc.
 DNA Sequencing by: Agencourt Bioscience Corporation
 Clone distribution: MGC clone distribution information can be
 found through the I.M.A.G.E. Consortium/LINL at:
 http://image.lnl.gov
 Plate: L1AM12806 row: k column: 07
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 /clone_lib="NIH_MGC_116"
 /note="Organ: pooled colon, kidney, stomach; Vector: pCMV-SPORT6; Site 1: NotI; Site 2: EcoRV (destroyed); RNA source anonymous pool of 3 colons, age 26 yo male, 49 yo female, 71 yo male colon; 46 yo male kidney, and pool of 2 stomachs, 62 yo male and 70 yo female. Library is oligo-dT primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.4 kb, insert size range 1-3 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 023. Note: this is a NIH_MGC Library."

ORIGIN
 Query Match 59.1%; Score 893.8; DB 12; Length 981;
 Best Local Similarity 96.3%; Pzed. No. 1.2e-149; Indels 5; Gaps 3;
 Matches 945; Conservative 0; Mismatches 51;

QY 318 GCGTATTTCCCGAGATGACCAAGCCAGTACCGCAAGTACTGTGCTGAGTCTG 377
 DB 1 GCGTATTTCCCGAGATGACCAAGCCAGTACCGCAAGTACTGTGCTGAGTCTG 60

QY 378 CTCTTCAGCTCTCTGAGCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 437
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QY 438 TGGGCACTGACCAACCCGAGAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 497
 DB 121 TGGGCACTGACCAACCCGAGAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180

QY 498 ACCTTCAGCTCTCTTTCATCTCTCTCTGAGGTGCTGCTCTCTGCTGCTGCTGCTG 557
 DB 181 ACCTTCAGCTCTCTTTCATCTCTCTCTGAGGTGCTGCTCTCTGCTGCTGCTGCTGCTG 240

QY 558 TACAAGGCTGAGGAGGAGGAGCTTCCAGATTCAGATTCAGATTCAGATTCAGATTCAG 617
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QY 618 ACTGCTTACGCTCTTACCGAGTGCATCTGGAACAATCAACAGGACCTCTTACC 677
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QY 918 TCAATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 977
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QY 1098 TCTGAGTCTCTGCGCAAGAGCTGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1157
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QY 1158 GACGAGGCTCTTGT-GTCTTCACTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1213
 DB 840 GACGAGGCTCTTGTGTCTTCACTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 899

QY 1214 ATCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1273
 DB 900 ATCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 959

QY 1274 GGGCTGTGCTCATGAGCACTT 1294
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RESULT 25
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 ACCESSION AL574399
 VERSION AL574399.2 GI:31312717
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
 REFERENCE 1 (bases 1 to 1139)
 NIH-MGC http://mgi.nci.nih.gov/.
 JOURNAL National Institutes of Health, Mammalian Gene Collection (MGC)
 COMMENT Unpublished (1999)
 Contact: Robert Strausberg, Ph.D.
 Email: csapbs-remail.nih.gov
 Tissue Procurement: Life Technologies, Inc.
 CDNA Library Preparation: Life Technologies, Inc.
 DNA Sequencing by: Agencourt Bioscience Corporation
 Clone distribution: MGC clone distribution information can be
 found through the I.M.A.G.E. Consortium/LINL at:
 http://image.lnl.gov
 Plate: L1AM12806 row: k column: 07
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 Location/Qualifiers
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 /lab_host="DH10B"
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 /note="Organ: pooled colon, kidney, stomach; Vector: pCMV-SPORT6; Site 1: NotI; Site 2: EcoRV (destroyed); RNA source anonymous pool of 3 colons, age 26 yo male, 49 yo female, 71 yo male colon; 46 yo male kidney, and pool of 2 stomachs, 62 yo male and 70 yo female. Library is oligo-dT primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.4 kb, insert size range 1-3 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 023. Note: this is a NIH_MGC Library."

JOURNAL Unpublished (2001)
On Feb 16, 2001 this sequence version replaced gi:12934570.
COMMENT Contract: Genoscope

Genoscope - Centre National de Sequencage
BP 191 91006 Evry cedex - France
Email: segre@genoscope.cns.fr, Web: www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 8916.f For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CS0D1058A02NP1&cluster=8916.f. Contact :
Feng Liang Email: fliang@lifetech.com URL :
http://fulllength.invitrogen.com/Invitrogen Corporation 1600
Faraday Avenue Genoscope sequence ID : CS0D1058A02NP1.

FEATURES

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primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized."

ORIGIN

Query Match 58.5%; Score 885.2; DB 9; Length 1139;
Best Local Similarity 94.4%; Pred. No. 4.5e-148;
Matches 953; Conservative 5; Mismatches 48; Indels 4; Gaps 4;
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524 CTGGGGTGTGGGCTCCTGCTGCTACACGCGCTACAGGCTGGCTGACGACTCAT 583
968 CTTGGGGTGTGGGCTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 909
584 CCAGATTACGTTGACCCCACTCGGAGCCCAACACATGCTGCTGCTGCTGCTGCT 642
908 CCATATTACGTTGACCCCACTCGGAGCCCAACACATGCTGCTGCTGCTGCTGCT 849
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848 CATGTGTGACACATCACACAGCCGCTTACCCGAGAGAGAGAGAGAGAGAGAG 789
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763 TCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 822
729 TCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 670
823 TGTTCATCTGTGAGCTGACACACAGCTTAAGAGGCTTACCTGCGGGGGCTGCG 882
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883 AGAGGCAACCCCAAGTGGCTGTGGCCGAGAGGCTTACGTCAGCGGCTCCTCCAGG 942
610 AGAGGCAACCCCAAGTGGCTGTGGCCGAGAGGCTTACGTCAGCGGCTCCTCCAGG 551
943 GCACCTTTAGAGAAAGGTTTGTAGCTAGTGTTCCTGCTTAAAGACCTGAGCCC 1002
550 GCACCTTTAGAGAAAGGTTTGTAGCTAGTGTTCCTGCTTAAAGACCTGAGCCC 491
1003 GCGTGAATGCTTGAAGACGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1062
490 GCGTGAATGCTTGAAGACGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 431
1063 CCGCGCCCGGAGTCAAGCCGTGGAGCGCTATTATCTGCTGCTGCTGCTGCTGCT 1122

Db 430 CCCCCCGGGGTCAAGCCGTGTGGAGCCGCTATTATCTGCTGCTGCTGCTGCTGCT 371
Qy 1123 GGGGGCATACACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1182
Db 370 GGGGGCATACACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 311
Qy 1183 GGTGTGCTTCCCTGAGCCATGCTGATATATCTGAGGAGGAGGAGGAGGAGGAG 1242
Db 310 GGTGTGCTTCCCTGAGCCATGCTGATATATCTGAGGAGGAGGAGGAGGAGGAG 251
Qy 1243 CCTGTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1302
Db 250 CCTGTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 191
Qy 1303 CTCCGACCCCTGCGAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1362
Db 190 CTCCGACCCCTGCGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 131
Qy 1363 TCTGAGTGTGATCTTAAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1422
Db 130 TCTGAGTGTGATCTTAAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 71
Qy 1423 TGTCTGTGCGAGGTATTTATTAATCGTGGGAGGAGTGGCCGCGCTGGG 1472
Db 70 TGTCTGTGCGAGGTATTTATTAATCGTGGGAGGAGTGGCCGCGAGG 21

RESULT 26
AL525578 1201 bp mRNA linear EST 23-MAY-2003
LOCUS AL525578
DEFINITION Homo sapiens NEUROBLASTOMA COT 25-NORMALIZED Homo sapiens
CDNA clone CS0DC012H07 5-PRIME, mRNA sequence.
ACCESSION AL525578
VERSION AL525578.2 GI:31063442
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
1. (bases 1 to 1201)
Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished (2001)
JOURNAL
COMMENT On Feb 13, 2001 this sequence version replaced gi:12789071.
Contract: Genoscope

Genoscope - Centre National de Sequencage
BP 191 91006 Evry cedex - France
Email: segre@genoscope.cns.fr, Web: www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 8916.f For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CS0DC012D04QPL&cluster=8916.f. Contact :
Feng Liang Email: fliang@lifetech.com URL : Corporation 1600
http://fulllength.invitrogen.com/Invitrogen Corporation 1600
Faraday Avenue Genoscope sequence ID : CS0DC012D04QPL.
Location/Qualifiers
1. 1201
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/clone="CS0DC012H07"
/tissue_type="NEUROBLASTOMA COT 25-NORMALIZED"
/clone_lib="Homo sapiens NEUROBLASTOMA COT 25-NORMALIZED"
/note="1st strand cDNA was primed with a NotI-oligo (dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized."

ORIGIN

Query Match 57.5%; Score 868.8; DB 9; Length 1201;
Best Local Similarity 95.1%; Pred. No. 3.9e-145;

QY 432 AACAGTGGGAGTCACCAACCCGAGAGAGTGTGTGGGGGGCCGACTGTGTGAGGGCA 491
 DB 455 AACAGTGGGAGTCACCAACCCGAGAGAGTGTGTGGGGGGCCGACTGTGTGAGGGCA 513
 QY 492 GCCATCACTTCACTTCTTTTCATCTTCTCTGAGGGGTGTGTGAGCTTCCCTGAGCTAC 551
 DB 514 GCCATCACTTCACTTCTTTTCATCTTCTCTGAGGGGTGTGTGAGCTTCCCTGAGCTAC 573
 QY 552 CAGGCTTCAAGGCTGTGGTGGAGAGACTTCACTTCAAGATTAAGTTGACCCCACTCCGGAC 611
 DB 574 CAGGCTTCAAGGCTGTGGTGGAGAGACTTCACTTCAAGATTAAGTTGACCCCACTCCGGAC 633
 QY 612 CCCAAGCTGTGCTTACGCTCTCTCACTCCAGTGTGATCTGTGACCACTACCAAGCCACC 671
 DB 634 CCCAAGCTGTGCTTACGCTCTCTCACTCCAGTGTGATCTGTGACCACTACCAAGCCACC 693
 QY 672 TTCATCCGAAACCGGAGAACCAACGAGGGGCTTACCAAGCCGCTGTGTACTAGTGGCG 731
 DB 694 TTCATCCGAAACCGGAGAACCAACGAGGGGCTTACCAAGCCGCTGTGTACTAGTGGCG 753
 QY 732 GTTACGCTGGAGAGGGGAGACAGAGGGGCTTCCCTCTGAGCTTGTGACTTCCATCAGC 791
 DB 754 GTTACGCTGGAGAGGGGAGACAGAGGGGCTTCCCTCTGAGCTTGTGACTTCCATCAGC 813
 QY 792 CTCCTGGAATCTGCAAGCCCTCTCTCTTCTTCACTGTTCATCTGTGACGCTGACACAGC 851
 DB 814 CTCCTGGAATCTGCAAGCCCTCTCTCTTCTTCACTGTTCATCTGTGACGCTGACACAGC 873
 QY 852 TAAAGAGCTCATGAGCTGTGGGGGGGTGGGAGAGACCAACCCCAAGTGTGGGCCAG 911
 DB 874 TAAAGAGCTCATGAGCTGTGGGGGGGTGGGAGAGACCAACCCCAAGTGTGGGCCAG 933
 QY 912 AGGGCTTCACTGACCGCTCACTCTCTTCAAGGAGCACTTTTAAAGAGGTTTAACTAGT 971
 DB 934 AGGG-CTTCACTGACCGCTCACTCTCTTCAAGGAGCACTTTTAAAGAGGTTTAACTAGT 990
 QY 972 GTTTTTC 978
 DB 991 TTTTTC 997

RESULT 28 1069 bp mRNA linear EST 12-MAR-2002
 LOCUS BM923138
 DEFINITION AGENCOURT_6631909 NIH_MGC_118 Homo sapiens cdna clone IMAGE:5757122
 5', mRNA sequence.
 ACCESSION BM923138
 VERSION BM923138.1 GI:19373517
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Buzkayota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
 1 (bases 1 to 1069)
 NIH-MGC http://mgi.nci.nih.gov/
 National Institutes of Health, Mammalian Gene Collection (MGC)
 Unpublished (1999)
 COMMENT
 Contact: Robert Strausberg, Ph.D.
 Email: cgsbds-remail.nih.gov
 Tissue Procurement: Life Technologies, Inc.
 cDNA Library Preparation: Life Technologies, Inc.
 DNA Library Arrayed by: The I.M.A.G.E. Consortium (LIML)
 DNA Sequencing by: Agencourt Bioscience Corporation
 Clone distribution: MGC clone distribution information can be
 found through the I.M.A.G.E. Consortium/LIML at:
 http://image.llnl.gov
 Plate: LIML12798 row: n column: 03
 High quality sequence start: 10
 High quality sequence stop: 669.

FEATURES
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 /organism="Homo sapiens"
 /mol_type="mRNA"

/db xref="taxon:9606"
 /clone="IMAGE:5757122"
 /tissue_type="leukocyte"
 /lab_host="DH10B"
 /clone_id="NIH_MGC_118"
 /note="Vector: PCMV-SPORT6, Site 1: NotI, Site 2: EcoRV
 (destroyed); RNA source leukocytes from anonymous pool of
 non-activated adult donors. Library is oligo-dT primed
 and directionally cloned (EcoRV site is destroyed upon
 cloning). Average insert size 1.7 kb, insert size range
 1.2-3.3 kb. Library is normalized and enriched for
 full-length clones and was constructed by C. Gruber
 (Invitrogen). Research Genetics tracking code 027. Note:
 this is a NIH_MGC Library."

Query Match 56.9%; Score 860.6; DB 12; Length 1069;
 Best Local Similarity 95.1%; Pred. No. 1.1e-143;
 Matches 923; Conservative 0; Mismatches 39; Indels 9; Gaps 3;

QY 51 ATGAGAGAGGAGGCTTACGAGCGCGGCAAGGCGAGGCTCTTGAAGCTGCGGCTTC 110
 DB 21 ATGAGAGAGGAGGCTTACGAGCGCGGCAAGGCGAGGCTCTTGAAGCTGCGGCTTC 80
 QY 111 CTGACGACCGGCAAGTGTGGCGGCGCGCTGTGTGTCTTGTCTTGTATGCTGTC 170
 DB 81 CTGACGACCGGCAAGTGTGGCGGCGCGCTGTGTGTCTTGTCTTGTATGCTGTC 140
 QY 171 TCTGATCATATGATGAGGAGGCTTACAGAGATGCCAGAGTCAAGATGATGCTGCTG 230
 DB 141 TCTGATCATATGATGAGGAGGCTTACAGAGATGCCAGAGTCAAGATGATGCTGCTG 200
 QY 231 TTCAACCGCAAGAGATGCTCTGCGCTATGAGAGTGGCATGCGGGGTCTGCTCTCTG 290
 DB 201 TTCAACCGCAAGAGATGCTCTGCGCTATGAGAGTGGCATGCGGGGTCTGCTCTCTG 260
 QY 291 GCGTGGAGCTTCTTCTTGTGTGTGAGCGGATTTCCCGAGATGAGCAAGCCACTGAC 350
 DB 261 GCGTGGAGCTTCTTCTTGTGTGTGAGCGGATTTCCCGAGATGAGCAAGCCACTGAC 320
 QY 351 CGCAAGTACCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 410
 DB 321 CGCAAGTACCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 380
 QY 411 GTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 470
 DB 381 GTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 440
 QY 471 GGGGCGAGCTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 530
 DB 441 GGGGCGAGCTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 500
 QY 531 GTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 590
 DB 501 GTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 560
 QY 591 TAGGTTGACCCCACTCGGAGCCCAAGCACTGCTTACGCTCTTCAAGTGTGATCTGTG 650
 DB 561 TAGGTTGACCCCACTCGGAGCCCAAGCACTGCTTACGCTCTTCAAGTGTGATCTGTG 620
 QY 651 GACAACTTACCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 710
 DB 621 GACAACTTACCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 680
 QY 711 CCCCTGTGTACTGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 770
 DB 681 CCCCTGTGTACTGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 740
 QY 771 GCGCTGAGCTTTCATCAAGCTCTTGAATCTGCGAGCCCTCTTTCATCAAGCTGTTCAAT 830
 DB 741 GCGCTGAGCTTTCATCAAGCTCTTGAATCTGCGAGCCCTCTTTCATCAAGCTGTTCAAT 799
 QY 831 CCGTGTGACGTACACAGTAAAGAGGCTTATGCTGTGGGGGGGTGGAGAGCAAC 890

Db 800 CCTGTGCGAGCTGACACAGCTTAAGAGCTCTAAGCTGCGGGGGCTGGACAGACCCC 855
 Qy 891 ACCCGAGTGCCTGTGCCCCAGAGGGCTTCACTAGCGGCTCACTCTTCA--GGGCACTT 948
 Db 860 ACCCGAGTGCCTGTGCCCCAGAGGGCTTCACTAGCGGCTCACTCTTCAAGGGCACTT 919
 Qy 949 TTAGGAAGGGGTTT-----TAGTACTGTTTTCCTCGCTTTTAAGACCTAGAGCCC 1002
 Db 920 TTAGGAAGGGGTTTTCCTAGCTAGGGTTTTCCTCGCTTTTAAGAGCCTTAGAGCCC 979
 Qy 1003 GCGTCGAGTGG 1013
 Db 980 GCGTCGAGTGG 990

RESULT 29
 BX382425 1201 bp mRNA linear EST 08-MAY-2003
 LOCUS BX382425 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
 DEFINITION clone CS0D1080YG18 5-PRIME, mRNA sequence.
 ACCESSION BX382425
 VERSION BX382425.1 GI:30439927
 KEYWORDS EST.
 SOURCE
 ORGANISM Homo sapiens (human)
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
 REFERENCE 1 (bases 1 to 1201)
 AUTHORS Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
 TITLE Full-length cDNA libraries and normalization
 JOURNAL Unpublished (2001)
 COMMENT Contact: Genoscope
 BP 191 31006 Evry cedex - France
 Genoscope - Centre National de Sequencage
 Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
 Library was constructed by Life Technologies, a division of
 Invitrogen. This sequence belongs to sequence cluster 8916.f. For
 more information about this cluster, see
 http://www.genoscope.cns.fr/
 cgi-bin/cluster.cgi?seq=CS0D1080BD09QPI&cluster=8916.f. Contact :
 Feng liang Email : fliang@life.com URL :
 http://fulllength.invitrogen.com/Invitrogen Corporation 1600
 Paradey Avenue Genoscope sequence ID : CS0D1080BD09QPI.
 FEATURES
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 /clone="CS0D1080YG18"
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 /clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
 /note="1st strand cDNA was primed with a NotI-oligo(dT)
 primer. Five prime end enriched, double-strand cDNA was
 digested with Not I and cloned into the Not I and EcoR V
 sites of the pCMVSPORT 6 vector. Library was normalized."
 ORIGIN

Query Match 56.9%; Score 860.2; DB 13; Length 1201;
 Best Local Similarity 94.3%; Pred. No. 1.3e-143;
 Matches 931; Conservative 4; Mismatches 44; Indels 8; Gaps 4;

Qy 202 CCGACAGATCTAAGCAGATGTAATGCTGCTTTCAACCGCAAGAGATGCTTCCGCTAAG 261
 Db 217 CCGACAGATCTAAGCAGATGTAATGCTGCTTTCAACCGCAAGAGATGCTTCCGCTAAG 276
 Qy 262 GCAGTGCATTCGGGGGCTGAGCTTCTGAGCTTCCGAGCTTCTTCTTGTGTGAGAGCT 321
 Db 277 GCAATCCATTCGGGGGCTGAGCTTCTGAGCTTCCGAGCTTCTTCTTGTGTGAGAGCT 336
 Qy 322 ATTTCCTCCAGATCAGCAACGCACTGACCGCAATCTGTCATGTGATGACCTGCT 381
 Db 337 ATTTCCTCCAGATCAGCAACGCACTGACCGCAATCTGTCATGTGATGACCTGCT 396
 Qy 382 TCTCAGCTCTGAGACCTTCTGAGTGTGTTGTTTCTGCTTCCAGCAACGAGTGG 441
 Db 397 TCTCAGCTCTGAGACCTTCTGAGTGTGTTGTTTCTGCTTCCAGCAACGAGTGG 456
 Qy 442 CAGTCAACAACCGAAGAGAGTGTGTGGGGCCGACTCTGTGAGGGAGCCATCACT 501
 Db 457 CAGTCAACAACCGAAGAGAGTGTGTGGGGCCGACTCTGTGAGGGAGCCATCACT 515
 Qy 502 TCAGCTTTTTCATCTTCTGAGTGTGTTGTTTCTGCTTCCAGCAACGAGTGG 561
 Db 516 TCAGCTTTTTCATCTTCTGAGTGTGTTGTTTCTGCTTCCAGCAACGAGTGG 575
 Qy 562 AGGCTGCGTGAACGACTTCATCAGATTAATGATGACCCGACTCCGAGCCCAACTG 621
 Db 576 AGGCTGCGTGAACGACTTCATCAGATTAATGATGACCCGACTCCGAGCCCAACTG 635
 Qy 622 CTTAGCGCTTCTTACCAAGATGATCTGTGAGCACTACCAAGCCATCCATCAACCA 681
 Db 636 CTTAGCGCTTCTTACCAAGATGATCTGTGAGCACTACCAAGCCATCCATCAACCA 695
 Qy 682 AGCGGAGACCAACGAGGCTACAGCGCCCTGTGACTGAGTGGGCTTAAGAGTGG 741
 Db 696 AGCGGAGACCAACGAGGCTACAGCGCCCTGTGACTGAGTGGGCTTAAGAGTGG 755
 Qy 742 GAAAGGGGACAGAGAGGGCTTCCCTTGTGCTTGAATTTTCCATCAAGCTCTGGAAC 801
 Db 756 GAAAGGGGACAGAGAGGGCTTCCCTTGTGCTTGAATTTTCCATCAAGCTCTGGAAC 815
 Qy 802 TGGCAGCCCTCTCTTTTCACTGTTCCATCTGTGAGTGAACACAGAGCTTAAGAGTGG 861
 Db 816 TGGCAGCCCTCTCTTTTCACTGTTCCATCTGTGAGTGAACACAGAGCTTAAGAGTGG 875
 Qy 862 CATAGCTGAGGCGGAGAGAGCCACACCCCAAGTGTGCTGAGGAGGCTTTCA 920
 Db 876 CATAGCTGAGGCGGAGAGAGCCACACCCCAAGTGTGCTGAGGAGGCTTTCA 935
 Qy 921 GTAGAGCGCTCACTCTCCAGAGGCACTTTAGAGAGGTTTGTAGTAAAGTTTCT 980
 Db 936 GTAA--SGCTACTCTTAAGAGGCACTTTAGAGAGGTTT--AGCTAGTTTCT 989
 Qy 981 CGCTTTAATGACTCAGCGCCCGCTG 1007
 Db 990 CGCTTTAATGACTCAGCGCCCGCTKAG 1016

RESULT 30
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 LOCUS AL527662
 DEFINITION Homo sapiens NEUROBLASTOMA COT 25-NORMALIZED Homo sapiens
 cDNA clone CS0D026YD11 5-PRIME, mRNA sequence.
 ACCESSION AL527662
 VERSION AL527662.2 GI:31065513
 KEYWORDS EST.
 SOURCE
 ORGANISM Homo sapiens (human)
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
 REFERENCE 1 (bases 1 to 1201)
 AUTHORS Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
 TITLE Full-length cDNA libraries and normalization


```

Db      60 GGGATGCGTACAGCAATGCCACGAGTCTAAGACAGATGTACTGCTGTTCACACCGCAAC 119
Qy      244 AGATGCTCCGCGCTATGAGAGTGCATCGGGGTGTGAGCTTCTCGGCTCGGCTCT 303
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Qy      304 TCTTGTGTGTGAGAGCGCTATTTCCCGGATCAGAGACGGCAGTGCAGGAGTACCTGG 363
Db      180 TCTTGTGTGTGAGAGCGCTATTTCCCGGATCAGAGACGGCAGTGCAGGAGTACCTGG 239
Qy      364 TCATTTGTGACCTGTCTCTTCAAGCTCTCTGAGACCTTCTGTGATTTGTGTTCTGCT 423
Db      240 TCATTTGTGACCTGTCTCTTCAAGCTCTCTGAGACCTTCTGTGATTTGTGTTCTGCT 299
Qy      424 TCCTTACCAACCAAGTGGGAGTACCAACCGGAGAGAGAGTGTGTGGGGGCGGACCTG 483
Db      300 TCCTTACCAACCAAGTGGGAGTACCAACCGGAGAGAGTGTGTGGGGGCGGACCTG 358
Qy      484 TGAGGGGAGCGCATCACTTCAAGCTTCTTTCATCTTCTCGGGGTGTGCTGGCTCC 543
Db      359 TGAGGGGAGCGCATCACTTCAAGCTTCTTTCATCTTCTCGGGGTGTGCTGGCTCC 418
Qy      544 TGCGCTTACCAAGGCTGAGAGTGTGAGAGCTTCAAGATTAAGTACCCCA 603
Db      419 TGCGCTTACCAAGGCTGAGAGTGTGAGAGCTTCAAGATTAAGTACCCCA 478
Qy      604 CTCGGAGCCCAACACTGCTACGCTCTCTACCGAGGTGATCTGTGAGACAACTACCAAC 663
Db      479 CTCGGAGCCCAACACTGCTACGCTCTCTACCGAGGTGATCTGTGAGACAACTACCAAC 538
Qy      664 AGCCACCTTCAACCAAGCGGAGAGCAACCGAGGCTACCAAGCGGCTGTGTACT 723
Db      539 AGCCACCTTCAACCAAGCGGAGAGCAACCGAGGCTACCAAGCGGCTGTGTACT 598
Qy      724 GAGTGGCGGTTAAGGTGGGAAAGGGGAGAGAGAGGCGCTCCCTGCTGGCTTTC 783
Db      599 GAGTGGCGGTTAAGGTGGGAAAGGGGAGAGAGAGGCGCTCCCTGCTGGCTTTC 658
Qy      784 CCATCAGCTCTCTGAGAGTGCAGGCGCTCTCTTCAAGCTTTCATCTGTGAGCTGA 843
Db      659 CCATCAGCTCTCTGAGAGTGCAGGCGCTCTCTTCAAGCTTTCATCTGTGAGCTGA 718
Qy      844 CACACAGTAAAGAGAGCTCATAGCTGTGGGAGGAGTGTGAGAGCAACCCAGAGCT 903
Db      719 CACACAGTAAAGAGAGCTCATAGCTGTGGGAGGAGTGTGAGAGCAACCCAGAGCT 777
Qy      904 GTGCCAGAGGAGCTTCAAGTCAAGCGCTCACTCTCAAGGAGCACTTTAGAAAGGTTT 963
Db      778 GTGCCAGAGGAGCTTCAAGTCAAGCGCTCACTCTCAAGGAGCACTTTAGAAAGGTTT 837
Qy      964 TAGCTAAGTGTCTTCTGCTTTTATGACTCAAGCCGCTGCAAGTGTGTAAAGCCA 1023
Db      838 TAGCTAAGTGTCTTCTGCTTTTATGACTCAAGCCGCTGCAAGTGTGTAAAGCCA 897
Qy      1024 GCAGGTGCCTATGTGCTACTGACAGTGCCTCAAGTTCGCCCGGCGGCTGAGCGCT 1083
Db      898 GCAGGTGCCTATGTGCTACTGACAGTGCCTCAAGTTCGCCCGGCGGCTGAGCG--G 954
Qy      1084 GGGAGCGCTATTTATCTGCTTCTGTGCAAAAGCTGTGGGGGCAATCACACTGCTCT 1143
Db      955 TGGGAGCGCTATTTATCTGCTTCTGTGCAAAAGCTGTGGGGGCAATMACCTGTGTGASG 1014
Qy      1144 GTGAGCGGAGG 1155
Db      1015 GACCGGAGCAGC 1026

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RESULT 32
LOCUS   BM473487 1095 bp mRNA linear EST 05-FEB-2002
DEFINITION AGNCOURT 6484148 NIH_MGC_72 Homo sapiens cDNA clone IMAGE:5537979
5' RNA sequence.
ACCESSION BM473487

```

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VERSION BM473487.1 GI:18522529
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE NIH-MGC http://mgi.nci.nih.gov/
AUTHORS National Institutes of Health, Mammalian Gene Collection (MGC)
TITLES Unpublished (1999)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: csabbs-r@mail.nih.gov
Tissue Procurement: ATCC/DCPD/DPF
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM12230 row: c column: 04
High quality sequence stop: 665.
Location/Qualifiers
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/db_xref="taxon:9606"
/clone="IMAGE:5537979"
/tissue_type="melanotic melanoma"
/lab_host="DH10B (phage-resistant)"
/clone_lib="NIH-MGC_72"
/note="Organ: skin; Vector: pCMV-Sport6; Site_1: NotI;
Site_2: SalI; Cloned unidirectionally. Primer: Oligo dr.
Average insert size 2 kb. Library constructed by Life
Technologies."

ORIGIN
Query Match 56.7%; Score 857.6; DB 12; Length 1095;
Best Local Similarity 93.5%; Pred. No. 3.8e-143;
Matches 950; Conservative 0; Mismatches 59; Indels 7; Gaps 5;

Qy      493 CCATCAGCTTCAAGCTTCTTTCATCTTCTCTGAGGAGTGTGAGCTTCCCTGAGCTAC 552
Db      1 CAAAGTCTGCTGATTTGAGAGCTTCTCTTCAAGGAGTGTGAGCTTCCCTGAGCTAC 60
Qy      553 AGCGCTACAGGCTGTGAGAGCACTTCAATCAAGATTAAGTACCCCACTCCGAGC 612
Db      61 AGCGCTACAGGCTGTGAGAGCACTTCAATCAAGATTAAGTACCCCACTCCGAGC 120
Qy      613 CCACAGTGTGAGCTTCAAGCTTCTTCCAGAGTGTGAGAGCACTTCAAGAGCAGCAGCT 672
Db      121 CCACAGTGTGAGCTTCAAGCTTCTTCCAGAGTGTGAGAGCACTTCAAGAGCAGCAGCT 180
Qy      673 TCACCCAGAGCGGAGAGCAACCGAGGCTTACAGCGCGCTGTGATCTGAGTGGCG 732
Db      181 TCACCCAGAGCGGAGAGCAACCGAGGCTTACAGCGCGCTGTGATCTGAGTGGCG 240
Qy      733 TTAGCGTGGAGAGGGGAGAGAGAGGCGCTCCCTGCGCTGTGACTTTCCATCAGGC 792
Db      241 TTAGCGTGGAGAGGGGAGAGAGAGGCGCTCCCTGCGCTGTGACTTTCCATCAGGC 300
Qy      793 TCTGTGAGTGTGAGCGGCTCTCTTTCATCTGTTCATCTGTGTGAGTGAACAGAGT 852
Db      301 TCTGTGAGTGTGAGCGGCTCTCTTTCATCTGTTCATCTGTGTGAGTGAACAGAGT 360
Qy      853 AAGGAGCTCATAGCTGTGCGGGGAGTGTGAGAGCAACCCCAAGTGTGTGCGGAG 912
Db      361 AAGGAGCTCATAGCTGTGCGGGGAGTGTGAGAGCAACCCCAAGTGTGTGCGGAG 420
Qy      913 GGGCTTCACTGACGCGCTCACTCTTCAAGGAGCACTTTTAAAGAGGTTTAAAGTAGTG 972
Db      421 GGGCTTCACTGACGCGCTCACTCTTCAAGGAGCACTTTTAAAGAGGTTTAAAGTAGTG 480
Qy      973 TTTTCTCTGCTTTTAATGACTCAAGCCCGGCTGCAATGGCTAAGAGCAGCAGGTGCC 1032

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481      |||
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541      |||
1093     |||
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1273     |||
781      |||
1333     |||
840      |||
1393     |||
898      |||
1449     |||
958      |||

CA488420 963 bp mRNA linear EST 14-NOV-2002
AGENCOURT 10809074 MAPCL Homo sapiens cDNA clone IMAGE:6720177 5',
mRNA sequence.
CA488420
CA488420.1 GI:24950252
EST.
Homo sapiens (human)
SOURCE
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.
1 (bases 1 to 963)
NIH-MGC http://mgi.nci.nih.gov/
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1998)
Contact: Robert Strausberg, Ph.D.
Email: c9apbs-remail.nih.gov
Tissue Procurement: Kristi A. Egland, Ira Pastan
cDNA Library Preparation: Invitrogen Corp
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNLV)
DNA sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LNLV at:
http://image.llnl.gov
Plate: LLM14279 row: e column: 09
High quality sequence stop: 681.
Location/Qualifiers
1..963
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:6720177"
/cell_line="ZR-75-1, MCF7, SK-BR-3, MDA-MB-231,
hTERT-HME1, LNCaP"
/lab_host="EMD10B"
/clone_1ib="MAPCL"

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/note="Vector: pCMV-Sport6; Site_1: EcoRV; Site_2: Not I;
Subtracted with brain, liver, lung, kidney and muscle.
Directionally cloned. Priming method: oligo-dT. Average
Insert size: 1800 bp. Library amplification: 26,000 fold.
Kristi A. Egland, James J. Vincent, Robert Strausberg,
Bangkok Lee & Ira Pastan. Discovery of new breast
cancer gene encoding membrane and secreted proteins.
Manuscript submitted."

Query Match 56.6%; Score 855.2; DB 14; Length 963;
Best Local Similarity 95.7%; Pred. No. 9.9e-143;
Matches 911; Conservative 0; Mismatches 35; Indels 6; Gaps 3;

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QY      |||
57      |||
1      |||
QY      |||
117     |||
61      |||
QY      |||
177     |||
121     |||
237     |||
181     |||
QY      |||
297     |||
241     |||
357     |||
301     |||
QY      |||
417     |||
361     |||
QY      |||
477     |||
421     |||
QY      |||
537     |||
481     |||
QY      |||
597     |||
541     |||
QY      |||
657     |||
601     |||
QY      |||
717     |||
661     |||
QY      |||
775     |||
721     |||
QY      |||
835     |||
781     |||
QY      |||
892     |||
841     |||

```


OY	992	GGAAGGGTTTATGACTAGTGTCTTCCTCGCTTATACACCACCC	1002
Db	901	GGAAAGATTTTTAGCTAAGTTTTTCTCCTTTATGACTCACCC	952
RESULT 34			
LOCUS	BMA58513	1137 bp	mRNA linear EST 05-FEB-2002
DEFINITION	AGENCOURT 6413953 NIH_MGC 185 Homo sapiens CDNA clone IMAGE:5497156		
ACCESSION	BMA58513		
VERSION	BMA58513.1	GI:18507553	
KEYWORDS	EST.		
SOURCE	Homo sapiens (human)		
ORGANISM	Homo sapiens		
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;		
AUTHORS	Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.		
TITLE	Nih-MGC http://mgi.nci.nih.gov/		
JOURNAL	1 (bases 1 to 1137)		
COMMENT	National Institutes of Health, Mammalian Gene Collection (MGC) Unpublished (1999) Contact: Robert Strausberg, Ph.D. Email: rgs@bbs-rcmail.nih.gov Tissue Procurement: Lou Stradt CDNA Library Preparation: Life Technologies, Inc. DNA Sequencing by: Agencourt Bioscience Corporation Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LNLN at: http://image.llnl.gov Plate: LLM12126 row: n column: 05 High quality sequence stop: 648. Location/Qualifiers 1..1137 /organism="Homo sapiens" /mol_type="mRNA" /db_xref="taxon:9606" /clone="IMAGE:5497156" /tissue_type="lymphoma, cell line" /lab_host="DH10B (phage-resistant)" /clone_lib="NIH MGC 85" /note="Organ: lymph; Vector: pCMV-Sport6; Site:1: NotI; Site:2: SalI; Cloned unidirectionally; oligo-dT primed. Average insert size 1.867 kb. Library enriched for full-length clones and constructed by Life Technologies. Note: this is a NIH_MGC Library."		
FEATURES			
source			
Query Match	56.5%	Score 854.6	DB 12; Length 1137;
Best Local Similarity	93.4%	Pred. NO. 1.3e-142;	
Matches	970; Conservative	0; Mismatches 55; Indels 13; Gaps	77
OY	47	CGACATGAGAGCGGGGCTTAAGCGCGCGGCCCAAGCGGCGCTCTTGACCTGCGGCG	106
Db	1	CGACATGAGAGCGGGGCTTAAGCGCGCGGCCCAAGCGGCGCTCTTGACCTGCGGCG	60
OY	107	CTTCTCGACGACGCGCGAGGTGTGTGGCGCGCGCGCTGTGTGTCTTGCTTGATGT	166
Db	61	CTTCTCGACGACGCGCGAGGTGTGTGGCGCGCGCGCTGTGTGTCTTGCTTGATGT	120
OY	167	GTTCTCTGATCATTTATGTGTGAGGGCTTAAGCAATGCCACGAGTCTTAAGCAAGTACTG	226
Db	121	GTTCTCTGATCATTTATGTGTGAGGGCTTAAGCAATGCCACGAGTCTTAAGCAAGTACTG	180
OY	227	CGTGTTCACGACGACGAGATGCTGCGCGCTATGACAGTGCATCGGAGGTGCTGCGCTT	286
Db	181	CGTGTTCACGACGACGAGATGCTGCGCGCTATGACAGTGCATCGGAGGTGCTGCGCTT	240
OY	287	CCTGGACCTGCGCTTCTTGTGTGTGTGACGCGGTATTTCCCGACAGATGACGACGAC	346
Db	241	CCTGGACCTGCGCTTCTTGTGTGTGTGACGCGGTATTTCCCGACAGATGACGACGAC	300

<http://mgc.nci.nih.gov/>.
 Institutes of Health, Mammalian Gene Collection (MGC)
 (1999)
 Robert Strausberg, Ph.D.
rgabbs-rc@mail.nih.gov
 procurement: Lou Staudt
 Library Preparation: Life Technologies, Inc.
 Library Arrayed by: The I.M.A.G.E. Consortium (LNLN)
 Licensing by: Agencourt Bioscience Corporation
 Distribution: MGC clone distribution information can be
 through the I.M.A.G.E. Consortium/LNLN at:
imgc.lnl.gov
 LNLN2126 row: n column: 05
 Library Sequence stop: 648.
 Location/Qualifiers
 1. 1137
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:5497156"
 /tissue_type="lymphoma, cell line"
 /lab_host="DH10B (phage-resistant)"
 /clone_lib="NIH MGC 85"
 /note="Origin: lymph; Vector: pCMV-SPORT6; Site:1: NotI;
 Site 2: SalI; cloned unidirectionally; oligo-dT primed.
 Average insert size 1,867 kb. Library enriched for
 full-length clones and constructed by Life Technologies
 Note: this is a NIH MGC library."

ORIGIN

Query Match	56.5%;	Score 854.6;	DB 12;	Length 1137;
Best Local Similarity	93.4%;	Pred. No. 1,3e-142;		
Matches 970;	Conservative 0;	Mismatches 55;	Indels 13;	Gaps 7;

[illegible]

QY	347	TGACCGGAGAACCTGGATCACTGGGACACCTTCCTCAGCTCCTGGACCTTCCTG	406
Db	301	TGACCGGAGAACCTGGATCACTGGGACACCTTCCTCAGCTCCTGGACCTTCCTG	360
QY	407	GTATTGTTGATTCTGCTTCCTCAACCAACAGTGGGACATCAACACCGGAAAGACGTCT	466
Db	361	GTATTGTTGATTCTGCTTCCTCAACCAACAGTGGGACATCAACACCGGAAAGACGTCT	420
QY	467	GGTGGGGGGCGACCTCTGTGAGGGGAGGACATCACTTAGCTTCCTTCATCTCTCTG	526
Db	421	GGTGGGGGGCGACCTCTGTGAGGGGAGGACATCACTTAGCTTCCTTCATCTCTCTG	480
QY	527	GGGTGTCTGCGCTCCCTGCGCTTACAGACGCTACAGAGCTGTGCGGTGACATTCATCA	586
Db	481	GGGTGTCTGCGCTCCCTGCGCTTACAGACGCTACAGAGCTGTGCGGTGACATTCATCA	540
QY	587	GAATTAGTTGAGCCCACTCGAGCCCAACACATCGCTTAGCGCTTCCTACACGAGTGATC	646
Db	541	GAATTAGTTGAGCCCACTCGAGCCCAACACATCGCTTAGCGCTTCCTACACGAGTGATC	600
QY	647	TGTGGACACTACCAACAGCAACCTTCACCCAGAACGCGAGACCAACCGAGGCTACCA	706
Db	601	TGTGGACACTACCAACAGCAACCTTCACCCAGAACGCGAGACCAACCGAGGCTACCA	660
QY	707	GGCGCCCCCTGTATCTGAGTGGGGGTTAGGTGTGGAAAGGGGGGACAAGAGGGCCCTCC	766
Db	661	GGCGCCCCCTGTATCTGAGTGGGGGTTAGGTGTGGAAAGGGGGGACAAGAGGGCCCTCC	720
QY	767	CTCTG-CCCTGGACTTTCCATCAGCCTCTCTGGAACCTGCAAGCCCTCTCTTCACTGT	825
Db	721	CTCTGCCCCCTGGACTTTCCATGAGCCTCTCTGGAACCTGCAAGCCCTCTCTTCACTGT	780
QY	826	TTCATCTCTGTGCACTGACACACAGCTTAAGAGGCTCATAGCC--TGCGGGGGCTGGCA	883
Db	781	TTCATCTCTGTGCACTGACACACAGCTTAAGAGGCTCTCTAACCTGTGGGGGGGGCTGGCA	840
QY	884	GAGGCACA-CCCAAGTGCCTGTATCCC--AGAGGGCTTCAGTACAGCGCTCACTCTCCA	940
Db	841	AAACACACACCCCAAGTGCCTGTATCCCACAGAGGCTTTCANTATGACGGCTCACTCTCCA	900
QY	941	GGGCACTTTTAAAGAAAGG--TTTTAGCTAGTGTTTTTCTGCTTTTAAATGACCTCA	997
Db	901	GGGCAATTTTAAAGAAAGGTTTAACTTAACTAGAGGGTTTCCCTCTTTAATAACTCC	960
QY	998	GCCTCGCCTGACATGG--CTAAGAGACAGACGTGCGCATGTGCTAC-TGACAAGTGCC	1053
Db	961	GCCTCGCCTGAAATGGGGCTAAAAACACAAGAGGGCCCATGGGCTACTTATCAATGGGC	1020
QY	1054	TCAAGTTTCCCCCGGGCC 1071	
Db	1021	TCACTTTTCCCCCGGGCC 1038	

RESULT 35	
LOCUS	AL555975
DEFINITION	1201 bp mRNA linear EST 31-MAY-2003
ACCESSION	AL555975 Homo sapiens HELa cells COR 25-NORMALIZED Homo sapiens
VERSION	CDNA clone CS0DX010Y013 5-PRIME, mRNA sequence.
KEYWORDS	AL555975.2 GI:31277779
SOURCE	EST.
ORGANISM	Homo sapiens (human)
REFERENCE	Homo sapiens
AUTHORS	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
TITLE	Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
JOURNAL	1 (bases 1 to 1201)
COMMENT	Li, W.B., Gruber, C., Jesses, J. and Polayes, D. Full-length cDNA libraries and normalization unpublished (2001)
	On Feb 13, 2001 this sequence version replaced gi:12898221.
	Contact: Genoscope Genoscope - Centre National de Sequencage BP 191 91006 Evry cedex - France

Email: segre@genoscope.cns.fr, Web: www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 8916.f. For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CS0DK010AH07Q2P1&cluster=8916.f. Contact :
Peng Liang Email: fliang@life-techn.com URL:
http://fulllength.invitrogen.com/Invitrogen Corporation 1600
Paradise Avenue Genoscope sequence ID: CS0DK010AH07Q2P1.

FEATURES

source

1. .1201
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0DK010Y013"
/cell_type="HELA CELLS COT 25-NORMALIZED"
/cell_line="HELA"
/clone_id="Homo sapiens HELA CELLS COT 25-NORMALIZED"
/note="1st strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized."

ORIGIN

Query Match 56.4%; Score 852.8; DB 9; Length 1201;
Best Local Similarity 94.9%; Pred. No. 2.8e-142;
Matches 911; Conservative 11; Mismatches 33; Indels 5; Gaps 4;

38 CGGCGAGGCGGCGCATGAGAGAGGCGGCGCTACGCGGCGGCGCAAGCGGCGGCTCTTGA 97
51 CCGGATGCGCATGAGAGAGGCGGCGCTTACGCGGCGGCGCAAGCGGCGGCTCTTGA 110
98 CCGGCGGCGCTTCTGAGCGAGCGCGAGGTG-1GCGCGCGCGCGCGTGTGCTTCTG 156
111 CCGGCGGCGCTTCTGAGCGAGCGCGAGGTGAGCGCGCGCGCGTGTGCTTCTG 170
157 CCGTGTATGTGTCTTCTGCGATCTATGTGTGAGGCTAAGAAAGCCGAGAGTCAAGC 216
171 CCGTGTATGTGTCTTCTGCGATCTATGTGTGAGGCTAAGAAAGCCGAGAGTCAAGC 230
217 AGATGATGCTGCTGCTTCAACCGCAAGAGATGCTGCGCGCTATGAGAGTCCATCGGCG 276
231 AGATGATGCTGCTGCTTCAACCGCAAGAGATGCTGCGCGCTATGAGAGTCCATCGGCG 290
277 TGTGCGGCTTCTGCGGCTTCTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 336
291 TGTGCGGCTTCTGCGGCTTCTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 350
337 GCAAGCGCACTGAGCGCAAGTACTGATGATGAGTCTGCTGCTGCTGCTGCTGCTGCTG 396
351 GCAAGCGCACTGAGCGCAAGTACTGATGATGAGTCTGCTGCTGCTGCTGCTGCTGCTG 410
397 CCGTCTGCTGCTTGTGCTTCTGCTTCTGCTTCTGCTTCTGCTTCTGCTTCTGCTTCTG 456
411 CCGTCTGCTGCTTGTGCTTCTGCTTCTGCTTCTGCTTCTGCTTCTGCTTCTGCTTCTG 470
457 AGGAGTGTGTGAGGCGCGGCGCTGCTGAGGCGCGCATGAGTCAAGTCTGCTTCTTCA 516
471 A-GAGTGTGTGAGGCGCGGCGCTGCTGAGGCGCGCATGAGTCAAGTCTGCTTCTTCA 529
517 TCTTCTGCTGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 576
530 TCTTCTGCTGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 589
577 ACTGATCCAGAACTTACGTTAGCCCACTCCGGAAGCCCAAGTCTGCTGCTGCTGCTGCT 636
590 ACTGATCCAGAACTTACGTTAGCCCACTCCGGAAGCCCAAGTCTGCTGCTGCTGCTGCT 649
637 CAGGTGATCTGTGAGCAATACCAAGCCAGCTTCAAGCCGAGAGACGACGCG 696
650 CAGGTGATCTGTGAGCAATACCAAGCCAGCTTCAAGCCGAGAGACGACGCG 709
697 AAGGCGTACAGCGCGCGCGCTGTGTACTGAGTGCGGCTTACGCTGGAAGGCGGAGACAG 756

Db 710 AAGGCTACCAAGCGCGCGCGCTGTACTAGCGCGGCTTACGCTGGAAGGCGGAGACAGGA 769
Qy 757 GGGCCCTCCCTCTGCGCTTGAAGCTTCCATGAGCTTCTGGAAGTCCGAGCCCTCTCT 816
Db 770 GGGCCCTCCCTCTGCGCTTGAAGCTTCCATGAGCTTCTGGAAGTCCGAGCCCTCTCT 829
Qy 817 TTCACCTGTTCATCTGTGAGAGCTGAGACAGAGCTTAAGAGAGCTCATAGCTGCGGAG 876
Db 830 TTCACCTGTTCATCTGTGAGAGCTGAGACAGAGCTTAAGAGAGCTCATAGCTGCGGAG 889
Qy 877 GCTGAGAGAGCAACCCCAAGTCTGTGCGGAGAGGCTTCAAGTCAAGCCGCTCATC 936
Db 890 GGTGGAAGAR-CACACCCCAAGTCTGTGCGGAGAGGCTTCAAGTCAAGCCGCTCATC 946
Qy 937 TCGAGGCGCTTTTGAAGAGGCTTTTGAAGTGTTCCTGCTTGAAGAGCTTC 996
Db 947 TCGAGGCGCTTTTGAAGAGGCTTTTGAAGTGTTCCTGCTTGAAGAGCTTC 1006

RESULT 36

BU855955

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

BU855955 919 bp mRNA linear EST 16-OCT-2002
AGENCOURT 10453927 NIH_MGC_109 Homo sapiens cDNA clone
IMAGE:6645546 5', mRNA sequence.
BU855955 1 GI:24040921
EST.
Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
NIH-MGC http://mhc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
Email: gcapbs-remail.nih.gov
Tissue Procurement: ATCC
cDNA Library Preparation: Rubin Laboratory
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LNL at:
http://image.llnl.gov
Plate: LNCX2882 row: C column: 18
High quality sequence stop: 646.
Location/Qualifiers
1. .919
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:6645546"
/rname="IMAGE:6645546"
/rseq="IMAGE:6645546"
/rseq_type="cDNA (phage-resistance)"
/lab_host="NIH_MGC_109"
/note="Organ: Ovary; Vector: pOTB7; Site: 1; EcoRI; Site 2:
XhoI; cDNA made by oligo-dT priming. Directionally cloned
into EcoRI/XhoI sites using the following 5' adaptor:
GGCAGGAG(G). Library constructed by Ling Hong in the
laboratory of Gerald W. Rubin (University of California,
Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and
Superscript II RT (Life Technologies). Note: this is a
NIH_MGC Library."

FEATURES

source

1. .919
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:6645546"
/rname="IMAGE:6645546"
/rseq="IMAGE:6645546"
/rseq_type="cDNA (phage-resistance)"
/lab_host="NIH_MGC_109"
/note="Organ: Ovary; Vector: pOTB7; Site: 1; EcoRI; Site 2:
XhoI; cDNA made by oligo-dT priming. Directionally cloned
into EcoRI/XhoI sites using the following 5' adaptor:
GGCAGGAG(G). Library constructed by Ling Hong in the
laboratory of Gerald W. Rubin (University of California,
Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and
Superscript II RT (Life Technologies). Note: this is a
NIH_MGC Library."

ORIGIN

Query Match 55.5%; Score 839; DB 13; Length 919;
Best Local Similarity 97.4%; Pred. No. 7.7e-140;
Matches 895; Conservative 0; Mismatches 20; Indels 4; Gaps 4;
Qy 47 CGACATGAGAGGCGGCGCTTACGCGCGCGCAAGGCGGCGGCTCTTGAAGCTGCGGCG 106
Db 1 CGACATGAGAGGCGGCGCTTACGCGCGCGCAAGGCGGCGGCTCTTGAAGCTGCGGCG 60

Db	9	AAATCGTG 1
RESULT 39		
LOCUS	BM563844	1098 bp mRNA linear EST 20-FEB-2002
DEFINITION	AGENCOURT.6560029 NIH_MGC_119 Homo sapiens CDNA clone IMAGE:5741930	
ACCESSION	BM563844	
VERSION	BM563844.1	GI:1881119
KEYWORDS	EST.	
SOURCE	Homo sapiens (human)	
ORGANISM	Homo sapiens	
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrate; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.	
AUTHORS	1 (bases 1 to 1098)	
TITLE	NIH-MGC http://mgi.nci.nih.gov/ .	
JOURNAL	National Institutes of Health, Mammalian Gene Collection (MGC)	
COMMENT	Unpublished (1999)	
	Contact: Robert Strusberg, Ph.D.	
	Email: cgapb-remail.nih.gov	
	Tissue Procurement: Life Technologies, Inc.	
	cDNA Library Preparation: Life Technologies, Inc.	
	CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNLN)	
	Genome Sequencing by: Agencourt Bioscience Corporation	
	Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LNLN at: http://limgc.lnl.gov	
	Plate: LNLN12759 row: e column: 03	
	High quality sequence stop: 677.	
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	/organism="Homo sapiens"	
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	/clone="IMAGE:5741930"	
	/rname="medulla"	
	/lab_host="DH10B"	
	/clone_id="NIH_MGC_119"	
	/note="Organ: brain; Vector: pCMV-SPORT6; Site_1: NotI; Site_2: EcoRV (destroyed); RNA source normal medulla from anonymous male age 27. Library is oligo-dT primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.3 kb, insert size range 0.9-3 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 013. Note: this is a NIH_MGC Library."	
ORIGIN		
Query Match	55.3%; Score 836.4; DB 12; Length 1098;	
Best Local Similarity	94.2%; Pred. No.2.4e-139;	
Matches	925; Conservative 0; Mismatches 46; Indels 11; Gaps 5;	
DY	35 CGCGCGCA CGCGCGCATGAGAGCGGGGCTTACGCGCGCCAAAGCGGGGCTCTT 94	
Db	13 CCGGATATACGGCGCATGAGAGCGGGGCTTACGCGCGCCAAAGCGGGGCTCTT 72	
OY	95 CGACCTGGGGGCTCTCTGACGACGACCGCAGTGTGTGGCGCGCGCGTGTCTTGATCTT 154	
Db	73 CGACCTGGGGGCTCTCTGACGACGACCGCAGTGTGTGGCGCGCGCGTGTCTTGATCTT 132	
OY	155 CGCTTGATGCTTCTCTGATCTTATGATGAGGGCTTACAGCAATGCCCAAGTCTTA 214	
Db	133 CGCTTGATGCTTCTCTGATCTTATGATGAGGGCTTACAGCAATGCCCAAGTCTTA 192	
OY	215 GCAGATGATCGCGTGTCAACCGCAAGAGATCTCGCCGCTATGACAGTGCATCG 274	
Db	193 GCAGATGATCGCGTGTCAACCGCAAGAGATCTCGCCGCTATGACAGTGCATCG 252	
OY	275 GGTGTGGCTCTCTCGGCTGGGCTTCTTCTTGATGTGACGCGTATTTTCCCAAT 334	
Db	253 GGTGTGGCTCTCTCGGCTGGGCTTCTTCTTGATGTGACGCGTATTTTCCCAAT 312	

QY	335	CAGCAAGCAGCACTACACGCAAGTACCTGATCGATCGTGAACCTGCTCTTCACGCTCTG	394
Db	313	CAGCAAGCAGCACTACACGCAAGTACCTGATCGATCGTGAACCTGCTCTTCACGCTCTG	372
QY	395	GACCTTCCTGATGTTTGTGTGTTTCTGCTTCTCCACCAACGATGGGCACTACCAACC	454
Db	373	GACCTTCCTGATGTTTGTGTGTTTCTGCTTCTCCACCAACGATGGGCACTACCAACC	432
QY	455	GAAGGACGTGCTGGTGGGGGCCGCACTGTGTAGGGGACGATCACTTCAGCTTCTTTC	514
Db	433	GAAGGACGTGCTGGTGGGGGCCGCACTGTGTAGGGGACGATCACTTCAGCTTCTTTC	492
QY	515	CATTTTCTCCTGGGGGTGTGCTGCTCTCCCTGCGCTTACGAGGCTTACAGGCTGGGTGGA	574
Db	493	CATTTTCTCCTGGGGGTGTGCTGCTCTCCCTGCGCTTACGAGGCTTACAGGCTGGGTGGA	552
QY	575	CGACTTCATCCAGAAATTACGTTGACCCCACTCCGGAACCCCAACACTGCTCTACGCTCTTA	634
Db	553	CGACTTCATCCAGAAATTACGTTGACCCCACTCCGGAACCCCAACACTGCTCTACGCTCTTA	612
QY	635	CCGAGGTGCATCTGTGGAACAATCAACAACGACCAACCTTCAACCCAGAACGGGAGACAC	694
Db	613	CCGAGGTGCATCTGTGGAACAATCAACAACGACCAACCTTCAACCCAGAACGGGAGACAC	672
QY	695	CGAGGGCTACACGACGGGCCCCCTGTGTACTGATGAGGCGGCTTATAGGTGTGGAAAGGGGGACAG	753
Db	673	CGAGGGCTACACGACGGGCCCCCTGTGTACTGATGAGGCGGCTTATAGGTGTGGAAAGGGGGACAG	732
QY	754	AGAGGGGCTCTCCCTCTGACCTGTGACCTTTTCCATCAGCTCTTGGAACTGGCAACCCCTC	813
Db	733	AGAGGGGCTCTCCCTCTGACCTGTGACCTTTTCCATCAGCTCTTGGAACTGGCAACCCCTC	792
QY	814	TCCTTACACGTTTCCATCTGTGTGAGGTGACACACACTTAAGAGGCTCAATAGCT--GG	871
Db	793	TCCTTACACGTTTCCATCTGTGTGAGGTGACACACACTTAAGAGGCTCAATAGCT--GG	852
QY	872	CGGGGGCTGGCAGAGCCA-CACCCCAAGTCCCTGTG--CCGAGAGGCTTCAGTCAAGCCG	928
Db	853	CGGGGGCTGGCAGAGCCA-CACCCCAAGTCCCTGTG--CCGAGAGGCTTCAGTCAAGCCG	912
QY	929	CTACTCTCTCCAGGGCACTTTTAGAAAGG-----TTTTAGTAGTGTTTTCTCTGCG	983
Db	913	CTACTCTCTCCAGGGCACTTTTAGAAAGG-----TTTTAGTAGTGTTTTCTCTCTGCG	972
QY	984	TTTTAATGACCTCAGCCCCGCC 1005	
Db	973	TTTTAAGGAATTAGCCCCC 994	
RESULT 40			
LOCUS	BM924646	1112 bp	MRNA linear EST 12-MAR-2002
DEFINITION	AGENCOURT 6653943 NIH_MGC_116 Homo sapiens cDNA clone IMAGE:5761053		
ACCESSION	BM924646		
VERSION	BM924646.1	GI:19375025	
KEYWORDS	EST.		
ORGANISM	Homo sapiens (human)		
SOURCE	Homo sapiens		
ORGANISM	Eukaryote; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;		
ORGANISM	Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.		
REFERENCE	NIH-MGC http://mgc.nci.nih.gov/		
AUTHORS	National Institutes of Health, Mammalian Gene Collection (MGC)		
TITLE	Unpublished (1999)		
JOURNAL	Contact: Robert Strausberg, Ph.D.		
COMMENT	Email: cgabs-remail.nih.gov		
COMMENT	Tissue Procurement: Life Technologies, Inc.		
COMMENT	cDNA Library Preparation: Life Technologies, Inc.		
COMMENT	cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LMNL)		
COMMENT	DNA Sequencing by: Agencourt Bioscience Corporation		
COMMENT	Clone distribution: MGC clone distribution information can be		

QY 53 GGAGAGCGGGGCTTACGCGCGCGCAAGCGCGGCTCTCTGACCTTGGCGGCTTCT 112
 Db 65 GGGATGCGGGGCTTACGCGCGCGCAAGCGCGGCGCTCTCTGACCTTGGCGGCTTCT 124
 QY 113 GAGCGACCGGAGGTGTGTGGCGCGCGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGT 172
 Db 125 GAGCGACCGGAGGTGTGTGGCGCGCGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGT 184
 QY 173 CTGATCTATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 232
 Db 185 CTGATCTATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 244
 QY 233 CAACCGCAAGAGATGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 292
 Db 245 CAACCGCAAGAGATGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 304
 QY 293 CTGCGGCTTCTTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 352
 Db 305 CTGCGGCTTCTTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 364
 QY 353 CAAGTACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 412
 Db 365 CAAGTACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 424
 QY 413 TGGTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 472
 Db 425 TGGTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 483
 QY 473 GGGCGACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 532
 Db 484 GGGCGACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 543
 QY 533 GCTGGCTTCTTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 592
 Db 544 GCTGGCTTCTTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 603
 QY 593 GCTGGCTTCTTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 652
 Db 604 GCTGGCTTCTTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 663
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 Db 664 CAATACCAACAGCACCCTTCAACCAACAGCACCCTTCAACCAACAGCACCCTTCAAC 723
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 Db 724 CCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 783
 QY 773 CTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 832
 Db 784 CTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 843
 QY 833 TGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 892
 Db 844 TGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 902
 QY 893 CCCAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 910
 Db 903 CCCAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 920

RESULT 42

BM914997

LOCUS BM914997 1076 bp mRNA linear EST 12-MAR-2002
 DEFINITION AGENCOURT_6702297 NIH_MGC_41 Homo sapiens cDNA clone IMAGE:5481121

ACCESSION

BM914997

VERSION

BM914997.1 GI:19365376

KEYWORDS

EST.

SOURCE

ORGANISM

Homo sapiens (human)
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE

1 (bases 1 to 1076)
 NIH-MGC <http://mgi.nci.nih.gov/>.
 National Institutes of Health, Mammalian Gene Collection (MGC)
 Unpublished (1999)
 JOURNAL
 COMMENT
 Contact: Robert Strzembny, Ph.D.
 Email: cgapbs-remail.nih.gov
 Tissue Procurement: DCTD/DRP
 CDNA Library Preparation: Rubin Laboratory
 CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNLN)
 DNA Sequencing by: Agencourt Bioscience Corporation
 Clone distribution: MGC clone distribution information can be
 found through the I.M.A.G.E. Consortium/LNLN at:
<http://image.llnl.gov>
 Plate: LNCM2005 row: b column: 02
 High quality sequence start: 10
 High quality sequence stop: 628.
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 /note="Organ: skin; Vector: pORF7; Site: 1: XhoI; Site 2:
 EcoRI; CDNA made by oligo-dt priming. Directionally cloned
 into EcoRI/XhoI sites using the following 5' adaptor:
 GGGCAGAG(G). Library constructed by Ling Hong in the
 laboratory of Gerald M. Rubin (University of California,
 Berkeley) using ZAP-CDNA synthesis kit (Stratagene) and
 Superscript II RT (Life Technologies). Note: this is a
 NIH_MGC Library."

ORIGIN

Query Match 54.5%; Score 823.6; DB 12; Length 1076;
 Best Local Similarity 94.6%; Pred. No. 4.6e-137;
 Matches 897; Conservative 0; Mismatches 41; Indels 10; Gaps 4;

QY 27 GGGGCGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 86
 Db 1 GGTGGCAATTCGACGAGGCGGA-ATGAGAGCGGGGCTTACGGCGCGCGGCGGCGGCGGCGG 59
 QY 87 GGGCTCTTTCGACCTTGGCGGCTTCTCTGAGCGAGCGGAGGTGTGTGTGTGTGTGTGTGTGTG 146
 Db 60 GGGCTCTTTCGACCTTGGCGGCTTCTCTGAGCGAGCGGAGGTGTGTGTGTGTGTGTGTGTGTG 119
 QY 147 TTGTCTTTCGCTTGTATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 206
 Db 120 TTGTCTTTCGCTTGTATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 179
 QY 207 GAGTCTAAGCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 266
 Db 180 GAGTCTAAGCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 239
 QY 267 GGCATCGGGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 326
 Db 240 GGCATCGGGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 299
 QY 327 CCCGAGATCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 386
 Db 300 CCCGAGATCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 359
 QY 387 GGTCTCTGACCTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 446
 Db 360 GGTCTCTGACCTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 419
 QY 447 ACCAACCAGAGAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 506
 Db 420 ACCAACCAGAGAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 479
 QY 507 TTCTTTTCATCTTCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 566

Db 480 TCTTTTCATCTTCTCTGNGTGTGCTGCTCCCTGAGCTTACAGCCCTCAAGGCT 539
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 Db 540 GGGGTGAGCACTTCTCATCCAGATTACGTTGAGCCCACTCCGAGCCCAACACTGCGCTAC 599
 QY 627 GCGTCTTACCCAGGTCATCTGTGTGACAACTACCAAGCCACTTCTACCCAGAAAGCG 686
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 Db 660 GAGACCAAGGAGGCTTACCAAGCCCTCTGTGTGACAACTACCAAGGCTTACCCAGAAAG 719
 QY 747 GAGACCAAGGAGGCTTACCAAGCCCTCTGTGTGACAACTACCAAGGCTTACCCAGAAAG 806
 Db 720 GAGACCAAGGAGGCTTACCAAGCCCTCTGTGTGACAACTACCAAGGCTTACCCAGAAAG 779
 QY 807 GCGCTCTTCTTACCTGTTGCAATCCGTGTGAGTACAGCAAGCTTACCAAGGCTTAC 866
 Db 780 GCGCTCTTCTTACCTGTTGCAATCCGTGTGAGTACAGCAAGCTTACCAAGGCTTAC 839
 QY 867 CCGTGG---CGAGGAGTGGAGAGCAAGCCCAAGTGGCT---GTGCGAGAGGCTTCA 920
 Db 840 CCGTGGAGGAGGAGGCTTACCAAGCCCTCTGTGTGACAACTACCAAGGCTTAC 899
 QY 921 GTGACCGCTCACTCTCTCAAGGAGC---TTTGAAGAAAGGTTTGA 965
 Db 900 GTGACCGCTCACTCTCTCAAGGAGC---TTTGAAGAAAGGTTTGA 947

RESULT 43
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 LOCUS AGENCOURT_10327418 NIH_MGC_40 Homo sapiens cDNA clone IMAGE:5572922
 DEFINITION 5', mRNA sequence.
 ACCESSION BUS41270.1 GI:22851711
 VERSION EST.
 KEYWORDS Homo sapiens (human)
 SOURCE Homo sapiens
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
 REFERENCE 1 (bases 1 to 894)
 NIH-MGC http://mgi.nci.nih.gov/.
 AUTHORS National Institutes of Health, Mammalian Gene Collection (MGC)
 JOURNAL Unpublished (1999)
 COMMENT Contact: Robert Strusberg, Ph.D.
 Email: cgaapbe-remail.nih.gov
 Tissue Procurement: DCTD/DTF
 cDNA Library Preparation: Rubin Laboratory
 cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNL)
 DNA Sequencing by: Agencourt Bioscience Corporation
 Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LNL at:
 http://image.llnl.gov
 Plate: L10C2765 row: m column: 18
 High quality sequence stop: 676.
 Location/Qualifiers
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 /clone="IMAGE:5572922"
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 /clone_lib="NIH MGC 40"
 /note="Organ: prostate; Vector: pOTB7; Site: 1: XhoI; Site 2: EcoRI; cDNA made by oligo-dT priming. Directionally cloned into EcoRI/XhoI sites using the following 5' adaptor: GGCACAG(G). Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit

FEATURES

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ORIGIN

(Stratagene) and SuperScript II RT (Life Technologies).
 Note: this is a NIH_MGC Library."

Query Match 54.3%; Score 821; DB 13; Length 894;
 Best Local Similarity 97.6%; Pred. No. 1.3e-135;
 Matches 862; Conservative 0; Mismatches 16; Indels 5; Gaps 3;
 QY 32 CAGCGGCGGCGAAGCGGAGATGAGAGGCGGAGGCTTACGCGCGGCGGAGGCGGCTC 91
 Db 1 CAGCGGCGGCGAAGCGGAGATGAGAGGCGGAGGCTTACGCGCGGCGGAGGCGGCTC 60
 QY 92 CTTGACCTGCGGCGCTTCTTACGAGCAAGGAGTGTGCGCGCGCGGTGCTTGT 151
 Db 61 CTTGACCTGCGGCGCTTCTTACGAGCAAGGAGTGTGCGCGCGGTGCTTGT 120
 QY 152 CTTGCGCTTGAATGATGTTCTCTGATCTATGATGAGGCTTACAGCAATGCCAGAGTC 211
 Db 121 CTTGCGCTTGAATGATGTTCTCTGATCTATGATGAGGCTTACAGCAATGCCAGAGTC 180
 QY 212 TAAGCAATGATGATGCTGCTTAAACCGAAGAGATGCTGCGGCTATGGAGTGCAT 271
 Db 181 TAAGCAATGATGATGCTGCTTAAACCGAAGAGATGCTGCGGCTATGGAGTGCAT 240
 QY 272 CGAGGAGTGGGCTTCTGAGCTCGGCGCTTCTTGTGTGATGAGCGGTAATTCGCCCA 331
 Db 241 CGAGGAGTGGGCTTCTGAGCTCGGCGCTTCTTGTGTGATGAGCGGTAATTCGCCCA 300
 QY 332 GATCAGCAAGCGCACTGACCGCAAGTACCTGTCTATGTGACCTGCTTCTACGCTCT 391
 Db 301 GATCAGCAAGCGCACTGACCGCAAGTACCTGTCTATGTGACCTGCTTCTACGCTCT 360
 QY 392 CTGAGCTTCTGCTGCTTGTGTTGTTGTTGCTTCTCTCAACCAAGTGGAGTACCA 451
 Db 361 CTGAGCTTCTGCTGCTTGTGTTGTTGTTGCTTCTCTCAACCAAGTGGAGTACCA 420
 QY 452 CCGGAGAGGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 511
 Db 421 CCGGAGAGGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 480
 QY 512 TTGCATCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 571
 Db 481 TTGCATCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
 QY 572 GGAAGACTTCAATCAAGATTACGATGAGCCCACTCCGAGCCCAACTGCTTACGCTC 631
 Db 541 GGAAGACTTCAATCAAGATTACGATGAGCCCACTCCGAGCCCAACTGCTTACGCTC 600
 QY 632 CTACCGAGTGAATCTGTGAGCACTACCAAGCAAGCCCTTACCGAGAGCGGAGAG 691
 Db 601 CTACCGAGTGAATCTGTGAGCACTACCAAGCAAGCCCTTACCGAGAGCGGAGAG 660
 QY 692 CACCGAGGCTTACCAAGCCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 751
 Db 661 CACCGAGGCTTACCAAGCCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 720
 QY 752 AAGAGAGGCGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 810
 Db 721 AAGAGAGGCGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 780
 QY 811 CTTCTTTTCACTGTTTCACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 868
 Db 781 CTTCTTTTCACTGTTTCACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
 QY 869 TGGCGGAGGCTGCGAGAGCC--ACACCCCAATGCTGCGCC 909
 Db 841 GAGCGGAGGCTGCGAGAGCCCAACCCCAATGCTGCGCC 883

RESULT 44
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 LOCUS AGENCOURT_6710123 NIH_MGC_114 Homo sapiens cDNA clone IMAGE:5763820
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ACCESSION 5', mRNA sequence.
 VERSION BM925611
 KEYWORDS BM925611.1 GI:19375990
 SOURCE EST.
 ORGANISM Homo sapiens (human)
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
 1 (bases 1 to 1027)
 NIH-MGC http://mgi.nci.nih.gov/
 National Institutes of Health, Mammalian Gene Collection (MGC)
 Unpublished (1999)
 CONTACT: Robert Strausberg, Ph.D.
 Email: csapbs-remail.nih.gov
 Tissue Procurement: Life Technologies, Inc.
 cDNA Library Preparation: Life Technologies, Inc.
 cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNL)
 DNA Sequencing by: Agencourt Bioscience Corporation
 Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LNL at:
 http://image.llnl.gov
 Plate: LLM12816 row: e column: 05
 High quality sequence start: 26
 High quality sequence stop: 723.
 Location/Qualifiers
 1..1027
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:5763820"
 /lab_host="DH10B"
 /clone_id="NIH_MGC_114"
 /note="Organ: brain; Vector: pCMV-SPORT6; Site 1: NotI; Site 2: EcoRV (destroyed); RNA source anonymous pool of 6 male brains, age range 23-27 yo. Library is oligo-dr primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.5 kb, insert size range 1-3 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 019. Note: this is a NIH_MGC Library."

ORIGIN

Query Match 54.1%; Score 817.6; DB 12; Length 1027;
 Best Local Similarity 95.9%; Fred. No. 5.3e-136;
 Matches 894; Conservative 0; Mismatches 29; Indels 9; Gaps 5;

62 GGCCTACGCGCGCCAGGCGCGCGCTCTTGCACCTGGGCGCTTCTGACGACGCC 121
 35 GCCCTACGCGCGCCAGGCGCGCGCTCTTGCACCTGGGCGCTTCTGACGACGCC 94
 122 GCAGGTGTGGCGCGCGCGCTGTGCTTGTCTTGCCTTGAATGCTTCTTCTGACATCA 161
 95 GCAGGTGTGGCGCGCGCGCTGTGCTTGTCTTGCCTTGAATGCTTCTTCTGACATCA 154
 182 TGTGAGGGGCTACAGCAATGCCAGAGTCTAGCAGATGACTGGCTTCAACGCCAA 241
 155 TGTGAGGGGCTACAGCAATGCCAGAGTCTAGCAGATGACTGGCTTCAACGCCAA 214
 242 CGAGGATGCTGCGCGCTATGGCAATGCGATGGGCTGCGCTTCTGCGCTGAGCTT 301
 215 CGAGGATGCTGCGCGCTATGGCAATGCGATGGGCTGCGCTTCTGCGCTGAGCTT 274
 302 CTTCTGTGTGTGACAGCGCTATTTCCCGCAGATACAGACGCCACGCAAGTACT 351
 275 CTTCTGTGTGTGACAGCGCTATTTCCCGCAGATACAGACGCCACGCAAGTACT 334
 362 GGTCAATGTGACCTGCTCTTCTGAGCTCTGAGACCTTCTGTGTGTGTGTTCTG 421
 335 GGTCAATGTGACCTGCTCTTCTGAGCTCTGAGACCTTCTGTGTGTGTGTTCTG 394
 422 CTTCTCAACCAACAGTGGGAGTCAACCCAGAGAGCTGTGTGTGGGGCCGACCTC 481

DB 395 CTTCTCAACCAACAGTGGGAGTCAACCCAGAGAGCTGTGTGTGGGGCCGACTC 454
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 DB 515 CTTGAGCTTACAGCGCTCAAGAGCTGTGCGTGTGAGACGACTTCAAGATTAAGTGAACC 574
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 QY 662 AAGACACCCCTTACCCAGAAAGCGGAGACCAACGAGGAGCTACAGCGCCCTGTGTA 721
 DB 635 AAGACACCCCTTACCCAGAAAGCGGAGACCAACGAGGAGCTACAGCGCCCTGTGTA 694
 QY 722 CTGAGTGTGCGGTAGCGTGTGAGAGGAGGAGACAGAGGAGGCTTCCCTGTGCTGACTT 781
 DB 695 CTGAGCGGGGTTAGCGTGTGAGAGGAGGAGACAGAGGAGGCTTCCCTGTGCTGACTT 754
 QY 782 TCCCATGAGCTTCTGGAATGCTGACGCGCCCTCTTTCACCTGTTCATCTGCTGACT 841
 DB 755 TCCCATGAGCTTCTGGAATGCTGACGCGCCCTCTTTCACCTGTTCATCTGCTGACT 814
 QY 842 GACACACAGCTTACAGAGCTT-CATAGCTGTGCGGAGG--CTGAGACACCAACCCCAAG 898
 DB 815 GACACACAGCTTACAGAGCTT-CATAGCTGTGCGGAGG--CTGAGACACCAACCCCAAG 874
 QY 899 TCCG--TGTGCCAGAGGAGGCTTCACTGACGC-GCTCACTCTCTCAGAGGAC--TTTAG 952
 DB 875 TCCCTGTGCGCCAGAGGAGGCTTCACTGACGC-GCTCACTCTCTCAGAGGAC--TTTAG 934
 QY 953 GAAAGGTTTATGCTAGTGTCTTCTGCT 984
 DB 935 GAAAGGTTTATGCTAGTGTCTTCTGCT 966

RESULT 45
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 ACCESSION BQ055557
 VERSION BQ055557.1 GI:19814897
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
 1 (bases 1 to 978)
 NIH-MGC http://mgi.nci.nih.gov/
 National Institutes of Health, Mammalian Gene Collection (MGC)
 Unpublished (1999)
 CONTACT: Robert Strausberg, Ph.D.
 Email: csapbs-remail.nih.gov
 Tissue Procurement: Lou Straub
 cDNA Library Preparation: Rubin Laboratory
 cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNL)
 DNA Sequencing by: Agencourt Bioscience Corporation
 Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LNL at:
 http://image.llnl.gov
 Plate: LCM2050 row: k column: 12
 High quality sequence stop: 652.
 Location/Qualifiers
 1..978
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:5807747"
 /tissue_type="lymphoma, cell line"


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/lab host="DHI08 (phage-resistant)"
/clone.lib="NIH_MGC_99"
/name="Organ: lymph Vector: pOTH7 Site 1: XhoI Site 2:
EcoRI cDNA made by oligo-dT priming. Directionally cloned
into EcoRI/XhoI sites using the following 5' adaptor:
GGCGGAG(G). Size-selected >500bp for average insert size
1.8kb. Library constructed by Ling Hong in the laboratory
of Gerald M. Rubin (University of California, Berkeley)
using ZAP-cDNA synthesis kit (Stratagene) and Superscript
II RT (Life Technologies). Note: this is a NIH_MGC
library."

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Query Match	54.1%;	Score 817.4;	DB 13;	Length 978;
Best Local Similarity	96.4%;	Pred. No. 5.7e-136;		
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QY	107	CTTCTCGACGACGCGCAGGTGCGCGCGCGCGCGCTGTGTCTTCGCTTGTATCGT	166
Db	61	CTTCTCGACGACGCGCAGGTGCGCGCGCGCGCTGTGTCTTCGCTTGTATCGT	120
QY	167	GTTCTCTCGATATATATGTAAGGGGCTACAGCAATCCCAAGATCTTAAGCAATGTTCTG	226
Db	121	GTTCTCTCGATATATGTAAGGGGCTACAGCAATCCCAAGATCTTAAGCAAGATGTTCTG	180
QY	227	CGTGTTCAAACCGCAAGAGATATGCTCGCGCTATGGAGTGCATCGGGGTGCTGCGCTT	286
Db	181	CGTGTTCAAACCGCAAGAGATATGCTCGCGCTATGGAGTGCATCGGGGTGCTGCGCTT	240
QY	287	CTTGGCGCTGCGCTTCTTCTTGATGTGACGCGTATTTCCCCAGATCAAGAACGCGAC	346
Db	241	CTTGGCGCTGCGCTTCTTCTTGATGTGACGCGCTATTTCCCCAGATCAAGAACGCGAC	300
QY	347	TGACCGCAATACCTGATATGTAAGCTGCTCTTCACGCTCTAGCTCTTCAAGCTTCGCTG	406
Db	301	TGACCGCAATACCTGATATGTAAGCTGCTCTTCACGCTCTTCAAGCTCTTCAAGCTTCGCTG	360
QY	407	GTTGTGTGTTTGCTTGCTTCTCAACAACAGTGGGAGTCAACAACCGAAGAGCGTGT	466
Db	361	GTTGTGTGTTTGCTTGCTTCTCAACAACAGTGGGAGTCAACAACCGAAGAGCGTGT	420
QY	467	GGTGGGGGCGGACTCTGTGTAGGGGAGCCATCACTTCAAGCTTCTTTCATCTTCTCTG	526
Db	421	GGTGGGGGCGGACTCTGTGTAGGGGAGCCATCACTTCAAGCTTCTTTCATCTTCTCTG	480
QY	527	GGGTGTCTGCGCTCCCTGCGCCATCAAGAGGCTACAAAGGCTGGGAGCACTTATCCA	586
Db	481	GGGTGTCTGCGCTCCCTGCGCCATCAAGAGGCTACAAAGGCTGGGAGCACTTATCCA	540
QY	587	GAATTACGTTGACCCGCACTCCGAGCCCAACACTGCTCTACGCTTCTTACCAAGTGCATC	646
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QY	647	TGTGGACACTTACCAACAGCACCTTCAACCCAGAAACGGAGAACCCAGGGCTTACA	706
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QY	707	GCGGCCCCCTGTATCTGAAGGCGGTTTACGTGGGAAAGGGGGACAGAGAGGGCGCTCC	766
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QY	767	CTTGCCTTGAACCTTCCATCAAGCTCCTGGAACTGCAAGCCCTCTCTTTCACCTGT	826
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QY	827	CCATCTGTGCACTGACACACAGCTTAAGAGACCTTATAGCTTGCGGGGGCTGGCAGAG	886
Db	781	CCATCTGTGCACTGACACACAGCTTAAGAGACCTTATAGCTTGCGGGGGCTGGCAGAG	840

QY 887 CCACACCCCAAGTGCCTGTGCCAGAG 913
841 AAGGCCACACCCCAAGTGCCTGTG 867
Db

RESULT	46
BUS42737	
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DEFINITION	BUS42737 861 bp mRNA linear EST 13-SEP-2002
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VERSION	BUS42737
KEYWORDS	BUS42737 5' mRNA sequence.
SOURCE	BUS42737.1 GI:22853220 EGF.
ORGANISM	Homo sapiens (human)
	Homo sapiens

FEATURES

source

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/notes="Organ: prostate; Vector: pOTB7; Site_1: XhoI; Site_2: EcoRI; cDNA made by oligo-dT priming. Directionally cloned into EcoRI/XhoI sites using the following 5' adaptor: GGCAAGAG(G). Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies). Note: this is a NIH_MGC Library."

```

Query Match	54.0%;	Score 816.4;	DB 13,	Length 861;
Best Local	97.0%;	Pred. NC 8.3e-136;		
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				Gaps 0;

[illegible]

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Oy	884	GAGCCACA-CCCCAAGTCCTGTGCC	909
Dd	841	NAACCCCACCCCCCAAGTCCTGGGCC	867

RESULT 48
B1821013

LOCUS	B1821013	891 bp	mRNA	linear	EST 04-OCT-2001
DEFINITION	603035668P1 NIH_MGC_115 Homo sapiens cDNA clone IMAGE:5176745 5', mRNA sequence.				
ACCESSION	B1821013				
VERSION	B1821013.1	GI:15932563			
KEYWORDS	EST.				
SOURCE	Homo sapiens (human)				
ORGANISM	Homo sapiens				
REFERENCE	Eukarya; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.				
AUTHORS	1 (bases 1 to 891)				
TITLE	NIH-MGC http://mgc.nci.nih.gov/.				
JOURNAL	National Institutes of Health, Mammalian Gene Collection (MGC) Unpublished (1999)				
COMMENT	Contact: Robert Strausberg, Ph.D. Email: cgabbs-remail.nih.gov Tissue Procurement: Life Technologies, Inc. cDNA Library Preparation: Life Technologies, Inc. cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNLN) DNA Sequencing By: Incyte Genomics, Inc. Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LNLN at: http://image.llnl.gov Plate: LLM11440 row: 9 column: 18 High quality sequence stop: 828.				

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Location/Qualifiers
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/note="Organ: pooled brain, lung, testis; Vector: pCMV-Sport; Site_1: NotI; Site_2: EcoRV (destroyed), RNA source anonymous pool of 6 male brains, age range 23-27; 1 male lung, age 27; and 1 male testis, age 69. Library is oligo-dt primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.8 kb, insert size range 1-3 kb. Library is normalized and enriched for full-length clones and was constructed by C Gruber (Invitrogen). Research Genetics tracking code 021. Note: this is a NIH_MGC Library."

Query Match	53.7%	Score 811.4	DB 12:	Length 891;
Best Local Similarity	98.6%	Pred. No. 6.6e-135;		
Matches	829;	Conservative	0;	Mismatches 11; Indels 1; Gaps 1

Oy	43	ACGCGACATGGAGACGCGGCGCTACGCGCGCCAGCGGCGCGACTCTTGAACCTGC	102
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Oy	103	GCGCTTCTGTACGCGACGCGGAGGAGGAGCGCGCGCGCGCTGTGCTTGCTTGGCCTTGA	162
Dd	61	GCGGCTTCTGTACGCGACGCGGAGGAGGAGCGCGCGCGCGCTGTGCTTGGCCTTGA	120
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Dd	121	TGCTGTCTTCTCGACATCTATGTGTGAGGGCTACAGCATGCCACGAGTTAAGCAGATGT	180
Oy	223	ACTGGGTATTCAACCGCACAGAGATGCTGCCCTATGTGGCATGTGCATCGGGGATGCTGG	282

Db	181	ACGCGCGTTTCAACCGCAAGAGAGAGCCCTGCGCGTATGAGCACTGCGAGTGGCTGG	240
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Qy	643	CATCTGTGACCAATCAACCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	702
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Qy	762	CTCCCTCTGCGCCCTGAGACTTTCATAGAGCTCTCTGGAATCTGACAGCCCTCTTCTTAC	821
Db	721	CTCCCTCTGCGCCCTGAGACTTTCATAGAGCTCTCTGGAATCTGACAGCCCTCTTCTTAC	780
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RESULT 49

BQ066331

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

BQ066331

AGNCNCURT_6661020 NIH_MGC_99 Homo sapiens

5', mRNA sequence.

BQ066331

BQ066331.1 GI:19895377

EST.

Homo sapiens (human)

Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

1 (bases 1 to 976)

NIH-MGC <http://mgs.nci.nih.gov/>.

National Institutes of Health, Mammalian Gene Collection (MGC)

Unpublished (1999)

Contact: Robert Strausberg, Ph.D.

Email: cgabs-remail.nih.gov

Tissue Procurement: Lou Staudt

cDNA Library Preparation: Rabin Laboratory

cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNL)

DNA Sequencing by: Agencourt Bioscience Corporation

Clone distribution: MGC clone distribution information can be

found through the I.M.A.G.E. Consortium/LNL at:

<http://image.lnl.gov>

Plate: LINC2111 row: 1 column: 16

High quality sequence stop: 646.
Location/Qualifiers

Source

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source

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/clone="IMAGE:5930967"
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/clone_id="NH_MGC_99"
/notes="Oxzan: lymph. Vector: pOTB7; Site 1: XhoI; Site 2:
EcoRI; cDNA made by oligo-dT priming. Directionally cloned
into EcoRI/XhoI sites using the following 5' adaptor:
GGCCGACGG(G). Size-selected >500bp for average insert size
1.8kb. Library constructed by Ling Hong in the laboratory
of Gerald M. Rubin (University of California, Berkeley)
using ZAP-cDNA synthesis kit (Stratagene) and Superscript
II RT (Life Technologies). Note: this is a NH_MGC
Library."

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ORIGIN

Query Match	Score	DB	Length
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84.6%;	700;	13;	976;
84.6%;	700;	13;	976;

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VERSION	BUS39619.1	GI:22850060		
KEYWORDS	EST.			
SOURCE	Homo sapiens			
ORGANISM	Homo sapiens (human)			

REFERENCE	AUTHORS	TITLE	JOURNAL	COMMENT
1 (bases 1 to 882)	NIH-MGC	http://mgc.nci.nih.gov/ National Institutes of Health, Mammalian Gene Collection (MGC)	Unpublished (1999)	
	Contact: Robert Strausberg, Ph. D.	Email: cgsapbs-remail.nih.gov	Tissue Procurement: ATCC	
	cDNA Library Preparation: Rubin Laboratory	DNA Sequencing by: The I.M.A.G.E. Consortium (ILNL)	Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/ILNL at:	
	http://image.llnl.gov	Plate: L10CM2759	row: d	column: 18
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Site_2: XhoI; cDNA made by oligo-dT priming.
Directionally cloned into EcoRI/XhoI sites using the
following 5' adaptor: GGACGAG(G). Library constructed by
ling Hong in the laboratory of Gerald M. Rubin (University
of California, Berkeley) using Zap-cDNA synthesis kit
(Stratagene) and Superscript II RT (Life Technologies).
Note: this is a NIH MGC library."

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Query Match	55.5%	Score 809.4	DB 13	Length 882
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QY 658 ACCCAACAGCCATCCCTTCAACCCGAGAGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 717
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Job time : 3710 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

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Pred. No. is the number of results predicted by chance to have a
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and is derived by analysis of the total score distribution.

SUMMARIES

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6	1512	100.0	1512	10	US-09-978-608A-161
7	1512	100.0	1512	10	US-09-978-585A-161
8	1512	100.0	1512	10	US-09-978-191A-161
9	1512	100.0	1512	10	US-09-978-403A-161
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ALIGNMENTS

RESULT 1
US-09-978-295A-161
Sequence 161, Application US/09978295A
Patent No. US2002015606A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gottlieb, Mary E.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavits, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C11
CURRENT APPLICATION NUMBER: US/09/978, 295A
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/918585

APPLICANT: Grimaldi, J. Christopher
APPLICANT: Guiney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James.
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C27
CURRENT FILING DATE: 2001-10-16
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38 PRIOR APPLICATION NUMBER: 60/085697

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Db	61	GAGCGCTACGGCGCGGCGCAAGCGGGGCGGCTCTTGACCTGCGGGGCTTCTCTGACGAGC	120	
QY	121	CGAGGTGGTGGCGCGCGCCGCTGTGTTGTTTGCTTGCTTGATGGTGTCTCTGCATCT	180	
Db	121	CGAGGTGGTGGCGCGCGCCGCTGTGTTGTTTGCTTGCTTGATGGTGTCTCTCGCATCT	180	
QY	181	ATGGTAGGGCTTACAGACCAATGCCCAAGAGTCAAGCAATGATCGAGCTGTTCACCGCA	240	
Db	181	ATGGTAGGGCTTACAGCAATGCCCAAGAGTCAAGCAATGATCGAGTGTTCACCGCA	240	
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Db	361	TGGTCAATGATGACCGGCTCTCTAGGCTCTGACCTTCCTGAGTGTGGTGTGGTCTCT	420	
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Db	481	CTGTGAGGGGAGCAATACACTTCAAGCTTCTTTTCAATCTTCTGTGGGGTGTGTGGCT	540
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Qy	661	AACAGCCACCTTTCACCCGAAACGGGAGAACACCGAGGCTACAGCCGACCCCTGTGT	720
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Qy	721	ACTGATGGGGGTTTATGGCGTGGGAAAGGGGAGACAGAGAGGCGCTCCCTCTGGCCCTGAAT	780
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Db	781	TTCCCATCAGCTCCTGTGAATCTGCAAGCCCTCTTTTCACTGTTCATCTGTGCAAC	840
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Qy	1381	GAAGCCTGGGAGAGGACAGGGGTGCCCATGGCTCCAGACTCTGTGTGTGCGAGGTAT	1440
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RESULT 3
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; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
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; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
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; APPLICANT: Pan, James/
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tunes, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C9
; CURRENT APPLICATION NUMBER: US/09/978,192A
; PRIOR FILING DATE: 2001-10-15
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Dp	181	ATGGTAGGGGCTTAACAGCAATGCCCAAGATCTAAGCAATGTACTGGCTGTTCACCGCA	240
Qy	241	ACGAGGATGTGCTGCGGCTAATGGCAGTGCACATCGGGGAGTGTGGCTTCTCTGGCTCGGCT	300
Dp	241	ACGAGGATGTGCTGCGGCTAATGGCAGTGTGCATTCGGGGTGTGTGGCTTCTCTGGCTCGGCT	300
Qy	301	TCTTCTTGTGTGTGAGAGCGCTAATTTTCCCCAGATCAGCAAGCCATCTGACCGCAAGTACC	360
Dp	301	TCTTCTTGTGTGTGAGAGCGCTAATTTTCCCCAGATCAGCAAGCCATCTGACCGCAAGTACC	360
Qy	361	TGATCATTTGGTGAACCTGCTCTTCTCAAGCTCTGTGAGCCCTCTGTGTGTGTGTGTCT	420
Dp	361	TGATCATTTGGTGAACCTGCTCTTCTCAAGCTCTGTGAGCCCTCTGTGTGTGTGTGTCT	420
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Dp	421	GCTTCTCTCAACCAACAGTGGGCAATCAACAACCCGAAAGACGTGTGTGGGGGCGAGTACC	480
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Dp	481	CTGTAGGGGAGCCGATCACTTACGCTTCTTTTCCATCTTCTCTGGGGTGTGTGCT	540
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Dp	841	TGACACACAGCTAAGAGGCTCATAGCTGTGGCGGGCTGTGCAGAGCCACACCCCAAGTG	900
Qy	901	CCGTGTGCCAGAGGGGCTTCAGTCAAGCGCGCTCACTCCCTCAAGGGGCACTTTAAGGAAAGGT	960
Dp	901	CCGTGTGCCAGAGGGGCTTCAGTCAAGCGCGCTCACTCCCTCAAGGGGCACTTTAAGGAAAGGT	960
Qy	961	TTTTAGCTAGTGTTTTCTCTGTGCTTTTAATGACCTCAGCCCCGCTGCACTGTGCTAAG	1020
Dp	961	TTTTAGCTAGTGTTTTCTCTGTGCTTTTAATGACCTCAGCCCCGCTGCACTGTGCTAAG	1020
Qy	1021	CCAGCAGGCTGCCATGTGTACTAGCAAGTGCGCTCAAGCTTCCCCCGGAGCCGGGCTAGGG	1080
Dp	1021	CCAGCAGGCTGCCATGTGTACTAGCAAGTGCGCTCAAGCTTCCCCCGGAGCCGGGCTAGGG	1080
Qy	1081	CGTGGAGCCGCTAATATCTGTGCTTCTGTGCAAAAGACTGTGTGGGGCAATCACACTGTG	1140
Dp	1081	CGTGGAGCCGCTAATATCTGTGCTTCTGTGCAAAAGACTGTGTGGGGCAATCACACTGTG	1140
Qy	1141	CCTGTGAGCGGAGCCGGAGCAAGGCTTTTGTGTCTCACTCAGGTTTGTCTTCCCTGTGC	1200
Dp	1141	CCTGTGAGCGGAGCCGGAGCAAGGCTTTTGTGTCTCACTCAGGTTTGTCTTCCCTGTGC	1200
Qy	1201	CCAATGCTGTATATCTGTGGGGGCAACAACCTGTGCGGTGTGTGGCTGTGCTTCCG	1260
Dp	1201	CCAATGCTGTATATCTGTGGGGGCAACAACCTGTGTGGGTGTGTGGCTGTGCTTCCG	1260

QY 1261 TGGTGTGAGGGGGGGGCTGGTGTCTCATGAGCACTTCTCTCTTGTCCACCCCTGGAGACA 1320
DB 1261 TGGTGTGAGGGGGGGGCTGGTGTCTCATGAGCACTTCTCTCTTGTCCACCCCTGGAGACA 1320
QY 1321 GGGAGAGGGCTTTGCTGTGACACACCCAGCTTTATGTAATCTCTGGAGTGTACTTAG 1380
DB 1321 GGGAGAGGGCTTTGCTGTGACACACCCAGCTTTATGTAATCTCTGGAGTGTACTTAG 1380
QY 1381 GAAGCTTGGAGAGGGGAGGCTGCCCCATGGCTCCAGACTCTGTCTGTGCGAGTGTAT 1440
DB 1381 GAAGCTTGGAGAGGGGAGGCTGCCCCATGGCTCCAGACTCTGTCTGTGCGAGTGTAT 1440
QY 1441 TATTAATCTGTGGGAGATGCCCCGCTGGATGCTGTTTGGAGACCGAATATATGTTT 1500
DB 1441 TATTAATCTGTGGGAGATGCCCCGCTGGATGCTGTTTGGAGACCGAATATATGTTT 1500
QY 1501 TCTCATTCAAAG 1512
DB 1501 TCTCATTCAAAG 1512

RESULT 4

US-09-999-832A-161

Sequence 161, Application US/0999832A

Publication No. US20020192706A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Mei-Qiang
APPLICANT: Geiber, Hanspeter
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavlin, Iyar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James J.
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630PIC63
CURRENT APPLICATION NUMBER: US/09/999,832A
CURRENT FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
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PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11

PRIOR APPLICATION NUMBER: 60/077641
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PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082568

QY 961 TTTTAGTAGTGTGTTTCTGCTTTTAAATGACCTGAGCCCCGCTGSCAGTGGCTAGAG 1020
Db 961 TTTTAGCTAGTGTGTTTCTGCTTTTAAATGACCTGAGCCCCGCTGSCAGTGGCTAGAG 1020
QY 1021 CCAGAGAGGTGCGCAATGAGTCTACTGACAAGTCCCTGACGTTCCCGCGGCGCGGCTGAGG 1080
Db 1021 CCAGAGAGGTGCGCAATGAGTCTACTGACAAGTCCCTGACGTTCCCGCGGCGCGGCTGAGG 1080
QY 1081 CGTGGAGACCGCTATTAATCTGCGTCTCTGCAAAAGACTGCTGGAGGAGCAATGACACCTG 1140
Db 1081 CGTGGAGACCGCTATTAATCTGCGTCTCTGCAAAAGACTGCTGGAGGAGCAATGACACCTG 1140
QY 1141 CCTGTGCGCGGAGCGGAGCCAGGCTCTGTGTCTCTGCTGCTGCTGCTGCTGCTGCTGCTG 1200
Db 1141 CCTGTGCGCGGAGCGGAGCCAGGCTCTGTGTCTCTGCTGCTGCTGCTGCTGCTGCTGCTG 1200
QY 1201 CCACTGCTGTATGATCTGTGGGAGGCAACCACTGTGTGGGAGGCTGTGGGCTGTGCTGCTG 1260
Db 1201 CCACTGCTGTATGATCTGTGGGAGGCAACCACTGTGTGGGAGGCTGTGGGCTGTGCTGCTG 1260
QY 1261 TGGTGTGAGGCGGCGGCTGTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1320
Db 1261 TGGTGTGAGGCGGCGGCTGTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1320
QY 1321 GGGAGAGGCTTGTGCTGCAACAACCACTGCTTATGTAATATCTGCAAGTGTACTAG 1380
Db 1321 GGGAGAGGCTTGTGCTGCAACAACCACTGCTTATGTAATATCTGCAAGTGTACTAG 1380
QY 1381 GAAGCTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAT 1440
Db 1381 GAAGCTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAT 1440
QY 1441 TATAAATCGTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAT 1500
Db 1441 TATAAATCGTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAT 1500
QY 1501 TCTCATTCAGAG 1512
Db 1501 TCTCATTCAGAG 1512

RESULT 5
US-09-978-189-161
Sequence 161, Application US/09978189
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Mei-Qiang
APPLICANT: Geber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James.
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C7
CURRENT APPLICATION NUMBER: US/09/978,189
PRIOR FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
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PRIOR FILING DATE: 1998-03-11
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PRIOR FILING DATE: 1998-03-12
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PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081049

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Db	541	CCCTGGCCCTACAGCGCTTACAAAGCTGGCGGAGCACTTCATCAAAATTACCTTGACC	600
QY	601	CCACTCCGGAACCCCAACACTGCTCTACGCTCTCTACCAAGTGTGATCTGTGACAACCTAAC	660
Db	601	CCACTCCGGAACCCCAACACTGCTCTACGCTCTCTACCAAGTGTGATCTGTGACAACCTAAC	660
QY	661	AACAGCCACCCTTACCCACAGAACGCGGAGACCAACGAGGGCTTACACAGCGGCCCTGTGT	720
Db	661	AACAGCCACCCTTACCCACAGAACGCGGAGACCAACGAGGGCTTACACAGCGGCCCTGTGT	720
QY	721	ACTGAGTGGCCGTTAGCGTGGAAAGGGGGAGACAGAGAGGGCCCTCCCTCTGCCCCGTGACT	780
Db	721	ACTGAGTGGCCGTTAGCGTGGAAAGGGGGAGACAGAGAGGGCCCTCCCTCTGCCCCGTGACT	780
QY	781	TTCCCATAGCGCTCTGGAGACTGACAGGCCCTCTCTTTTCACTCTGTTCATCTGTGAGAC	840
Db	781	TTCCCATAGCGCTCTGTGAGACTGACAGGCCCTCTCTTTTCACTCTGTTCATCTGTGAGAC	840
QY	841	TGACACACAGCTAAGAGCCCTATAGCTCGGCGGGGCTGACAGAGCCACACCCCAAGTG	900
Db	841	TGACACACAGCTAAGAGCCCTATAGCTCGGCGGGGCTGACAGAGCCACACCCCAAGTG	900
QY	901	CCTGTGCCCAGAGGCTTCACTGACGACGCGCTACCTCTTCAAGGGACCTTTTGGAAAGGGT	960
Db	901	CCTGTGCCCAGAGGCTTCACTGACGACGCGCTACCTCTTCAAGGGACCTTTTGGAAAGGGT	960
QY	961	TTTTAGCTAGTGTTTTCTCGCTTTTAAATGACCTCAGCCCGCTGACGTGGCTAGAG	1020
Db	961	TTTTAGCTAGTGTTTTCTCGCTTTTAAATGACCTCAGCCCGCTGACGTGGCTAGAG	1020
QY	1021	CCACACAGGTGCCCATGTGTCTACTACAGAGTCCCTCAGTTCCGCCCGGCGGGCTAGAGC	1080
Db	1021	CCACACAGGTGCCCATGTGTCTACTACAGAGTCCCTCAGTTCCGCCCGGCGGGCTAGAGC	1080
QY	1081	CGTGGAGAGCCCTATTATCTGCGTTCTCTGCAAGACTGCTGGGGGCGCATCACACCTGC	1140
Db	1081	CGTGGAGAGCCCTATTATCTGCGTTCTCTGCAAGACTGCTGGGGGCGCATCACACCTGC	1140
QY	1141	CCTGTGACAGCGGAGCCGAGCCAGGCTCTTGTGTCTCTACCTAGGTTTTCCTCCCTGAGC	1200
Db	1141	CCTGTGACAGCGGAGCCGAGCCAGGCTCTTGTGTCTCTACCTAGGTTTTCCTCCCTGAGC	1200
QY	1201	CCACTGCTGTATGATCTGTGGGGGACACACCCCTGTGCGAGGACCTTGTGGGCTGCCG	1260
Db	1201	CCACTGCTGTATGATCTGTGGGGGACACACCCCTGTGCGAGGACCTTGTGGGCTGCCG	1260
QY	1261	TGTGTGTAGGGGGGGGCGTGTGTCTATGTGGCACTTCTCTTGTCTCCACCCCTGTGGACAG	1320
Db	1261	TGTGTGTAGGGGGGGGCGTGTGTCTATGTGGCACTTCTCTTGTCTCCACCCCTGTGGACAG	1320
QY	1321	GGGAAAGGAGCTTTCCTGTACAACACCCAGCACTTATATAATTTCTGCAAGTTGTACTTAG	1380
Db	1321	GGGAAAGGAGCTTTCCTGTACAACACCCAGCACTTATATAATTTCTGCAAGTTGTACTTAG	1380
QY	1381	GAAAGCTGTGGGAGGGGCGAGGGGGGCCCATGTGCTCCCAACCTGTGCTGTGCGAGATGTAT	1440
Db	1381	GAAAGCTGTGGGAGGGGCGAGGGGGGCCCATGTGCTCCCAACCTGTGCTGTGCGAGATGTAT	1440
QY	1441	TATAAATATCGTGGGGGAGATGCGCGGCTGGGATCTGTGTTGGAGACGGAATTAATGTTT	1500
Db	1441	TATAAATATCGTGGGGGAGATGCGCGGCTGGGATCTGTGTTGGAGACGGAATTAATGTTT	1500
QY	1501	TCTCATTTCAAG 1512	
Db	1501	TCTCATTTCAAG 1512	

```

Publication No. US20030049633A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C15
CURRENT APPLICATION NUMBER: US//09/978,585A
CURRENT FILING DATE: 2001-10-16
NUMBER OF SEQ ID NOS: 624
Prior Application removed - See File Wrapper or Palm
SEQ ID NO 161
LENGTH: 1512
TYPE: DNA
ORGANISM: Homo sapiens
US-09-978-585A-161

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[illegible]

PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
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PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1512; DB 10; Length 1512;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1512; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 CGAGCGCTGGCGGAGCGCGTGGGCGCGGCGAGCGGCGGCGGAGCATGGAGCGG 60
QY 61 GGGCTTAGCGCGCGGCGGCGGCGGCGGCTTCTTGCACCTTGGCGGCGGCTTCTTGCAGC 120
DB 61 GGGCTTAGCGCGCGGCGGCGGCGGCGGCTTCTTGCACCTTGGCGGCGGCTTCTTGCAGC 120

QY	121	CGCAGGTGGCGGCGCGCGTGGTCTTGTGGCCCTTATGCTTCTCCGCACT	180
Db	121	CGCAGGTGGCGGCGCGCGTGGTCTTGTGGCCCTTATGCTTCTCCGCACT	180
QY	181	ATGTGAGGGCTACAGCAATGCCACGAGTCTTAAGCAATGTACTCGGTTCACCGCA	240
Db	181	ATGTGAGGGCTACAGCAATGCCACGAGTCTTAAGCAATGTACTCGGTTCACCGCA	240
QY	241	ACGAGATCCCTGCGGCTATGGCAGTGCATGCGGGGTGTGGCCTTCCGAGCTAGGCT	300
Db	241	ACGAGATCCCTGCGGCTATGGCAGTGCATGCGGGGTGTGGCCTTCCGAGCTAGGCT	300
QY	301	TCTTCTTGGTGCACGCGTATTTTCCCAAGTACAGCAAGCACTGACCGCAATGAC	360
Db	301	TCTTCTTGGTGCACGCGTATTTTCCCAAGTACAGCAAGCACTGACCGCAATGAC	360
QY	361	TGGTCATTGGTACCGGCTCTTCTAGCTCTGTGGACCTTCCGTGGTGTGGTTACT	420
Db	361	TGGTCATTGGTACCGGCTCTTCTAGCTCTGTGGACCTTCCGTGGTGTGGTTACT	420
QY	421	GCTTCCTACCAACGATGAGGAGTACCAACCCGAGAGCGTGTGGTGGGCGACT	480
Db	421	GCTTCCTACCAACGATGAGGAGTACCAACCCGAGAGCGTGTGGTGGGCGACT	480
QY	481	CTGTAGGGCAGCAATACCTTCCAGCTTCTTCCATCTTCTCGGGGTGTGGTGGCT	540
Db	481	CTGTAGGGCAGCAATACCTTCCAGCTTCTTCCATCTTCTCGGGGTGTGGTGGCT	540
QY	541	CCCTGGCCTACAGAGGCTACAAAGCTGGGCTGGAGACTTACCAAGATTACGTTGAC	600
Db	541	CCCTGGCCTACAGAGGCTACAAAGCTGGGCTGGAGACTTACCAAGATTACGTTGAC	600
QY	601	CCACTCCGGACCCCAACAATGCTACGCTCTTAACCAAGTCACTGTGGAGCAACTAC	660
Db	601	CCACTCCGGACCCCAACAATGCTACGCTCTTAACCAAGTCACTGTGGAGCAACTAC	660
QY	661	AAACAGCAACCTTACCCAGAACGCGAGAACCAACGAGGGTACCAAGCTGCGCTGTGT	720
Db	661	AAACAGCAACCTTACCCAGAACGCGAGAACCAACGAGGGTACCAAGCTGCGCTGTGT	720
QY	721	ACTGATGGGGTTGACGCGGGGAGAGAGAGGAGCCCTCCCTCTGCGCTGACT	780
Db	721	ACTGATGGGGTTGACGCGGGGAGAGAGAGGAGCCCTCCCTCTGCGCTGACT	780
QY	781	TTCCCATAGGCTCTGGAACCTGCCAGCCCTCTTTCACCTGTTCATCTCTGTGACG	840
Db	781	TTCCCATAGGCTCTGGAACCTGCCAGCCCTCTTTCACCTGTTCATCTCTGTGACG	840
QY	841	TGACACACAGGCTAAGAGAGCTCATAGCTGGGCGGGGCTGGAGAGACCAACCCAAATG	900
Db	841	TGACACACAGGCTAAGAGAGCTCATAGCTGGGCGGGGCTGGAGAGACCAACCCAAATG	900
QY	901	CCTGTGCCCAAGGGCTTCAGTACGCGCTCACTCTTCAAGGACCTTTTATGAAAAGGT	960
Db	901	CCTGTGCCCAAGGGCTTCAGTACGCGCTCACTCTTCAAGGACCTTTTATGAAAAGGT	960
QY	961	TTTATAGTAGTGTTTTCTGCTTATATGACCTGACGCGCGCTGACAGTGGCTAAG	1020
Db	961	TTTATAGTAGTGTTTTCTGCTTATATGACCTGACGCGCGCTGACAGTGGCTAAG	1020
QY	1021	CCAGCAGGTGCCATGTGCTACTGACAGTGTCAAGCTTGTCCCTCCGCGGAGTCAAGC	1080
Db	1021	CCAGCAGGTGCCATGTGCTACTGACAGTGTCAAGCTTGTCCCTCCGCGGAGTCAAGC	1080
QY	1081	CGTGGAGACCCCTATTATCTGGCTCTCTGCAAGATCTGTGGGGGCACTACACCTGC	1140
Db	1081	CGTGGAGACCCCTATTATCTGGCTCTCTGCAAGATCTGTGGGGGCACTACACCTGC	1140
QY	1141	CCTGTGACGCGGAGCCGAGCAAGGCTCTTGTGTCTCACTCAAGTTTGTCTTCCCTGTGC	1200
Db	1141	CCTGTGACGCGGAGCCGAGCAAGGCTCTTGTGTCTCACTCAAGTTTGTCTTCCCTGTGC	1200

QY	1201	CCACTGCTGTAATATCTGGGGGGCCACACACCTGTGCGAGTGGACCTTGAGGTGCTCCG	1260
QY	1201	CCACTGCTGTAATATCTGGGGGGCCACACACCTGTGCGAGTGGACCTTGAGGTGCTCCG	1260
Db	1201	CCACTGCTGTAATATCTGGGGGGCCACACACCTGTGCGAGTGGACCTTGAGGTGCTCCG	1260
QY	1261	TGATGTGAGGGCGGGGGCTGTGCTCANTGCACTTCTCTCTGCTCCACCCCTTGACGA	1320
Db	1261	TGATGTGAGGGCGGGGGCTGTGCTCANTGCACTTCTCTCTGCTCCACCCCTTGACGA	1320
QY	1321	GGGAGGGCTTTGGCTGACAACCCGAGCTTATGTAATAATATCTGCAAGTTGTACTTAG	1380
Db	1321	GGGAGGGCTTTGGCTGACAACCCGAGCTTATGTAATAATATCTGCAAGTTGTACTTAG	1380
QY	1381	GAAACCTGGGGAGGGGCGAGGGTGGCCATAGGCTCCGACATCTGTCTGTGCGCGATAT	1440
Db	1381	GAAACCTGGGGAGGGGCGAGGGTGGCCATAGGCTCCGACATCTGTCTGTGCGCGATAT	1440
QY	1441	TATATAATTCGTGGGGAGATGCCCCGAGCTGGAGATGCTGTTTGGAGACGAAATAATGTTT	1500
Db	1441	TATATAATTCGTGGGGAGATGCCCCGAGCTGGAGATGCTGTTTGGAGACGAAATAATGTTT	1500
QY	1501	TCTCATTCGAAG 1512	
Db	1501	TCTCATTCGAAG 1512	

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PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
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PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
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PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082700
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PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082796
PRIOR FILING DATE: 1998-04-23
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PRIOR FILING DATE: 1998-04-27
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083392
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PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084441
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084639
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084640
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084598

APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Geritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630PLC65
CURRENT APPLICATION NUMBER: US/09/999,833A
CURRENT FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/07450
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PRIOR APPLICATION NUMBER: 60/07632
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PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083554
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083558

Db 1081 CGTGGAGCCCGCTTATCTGCTGCAAGACTGCGGGGCGATCAACCTGC 1140
Qy 1141 CCTGCGAGCGAGCGAGCGAGCGCTGTGTCTCTCAGAGTTGCTCCCTGTC 1200
Db 1141 CTTGTGCGAGCGAGCGAGCGAGCGCTGTGTCTCTCAGAGTTGCTCCCTGTC 1200
Qy 1201 CCACTGCTATGATCTGCGGGGCGACCAACCTGTGCGGGGCGCTGCTCCG 1260
Db 1201 CCACTGCTATGATCTGCGGGGCGACCAACCTGTGCGGGGCGCTGCTCCG 1260
Qy 1261 TGGGTGAGGGGCGGGGCGGTGCTCATGAGCACTCTCTCTGCTCCGACCCCTGGAGCA 1320
Db 1261 TGGGTGAGGGGCGGGGCGGTGCTCATGAGCACTCTCTCTGCTCCGACCCCTGGAGCA 1320
Qy 1321 GGGAGGGGCTTTCCTGCAACACACCGAGCTTATGTAATATTCGAGTTGTTAG 1380
Db 1321 GGGAGGGGCTTTCCTGCAACACACCGAGCTTATGTAATATTCGAGTTGTTAG 1380
Qy 1381 GAAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAT 1440
Db 1381 GAAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAT 1440
Qy 1441 TATTAATCGTGGGAGAGATCCCGGCTGGAGTGTGTTGAGAGCGAATAATGTTT 1500
Db 1441 TATTAATCGTGGGAGAGATCCCGGCTGGAGTGTGTTGAGAGCGAATAATGTTT 1500
Qy 1501 TCTATTCAAG 1512
Db 1501 TCTATTCAAG 1512

RESULT 13

US-09-978-824-161
Sequence 161, Application US/09978824
Publication No. US2003005216A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gueney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kistavik, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P14
CURRENT FILING DATE: 2001-10-17
CURRENT FILING DATE: 2001-10-17
PRIOR FILING DATE: 2001-07-30
PRIOR FILING DATE: 2001-07-30
PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/07632
PRIOR FILING DATE: 1998-03-11
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PRIOR APPLICATION NUMBER: 60/077649
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PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
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PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955

Db 781 TTCCATGAGGCTCCTGGAGAGGCGAGCCCTCTTTTCACTGTTCATCTGTGAGC 840
Qy 841 TACACACAGCTAAGAGGCTCATATGCTGTGGGGGCTGGAGAGCCACACCCCAAGT 900
Db 841 TACACACAGCTAAGAGGCTCATATGCTGTGGGGGCTGGAGAGCCACACCCCAAGT 900
Qy 901 CCGTGGCCAGAGGCTTCACTGACAGCCGCTCACTCCTCCAGGGGACTTTTGGAAAAGGT 960
Db 901 CCGTGGCCAGAGGCTTCACTGACAGCCGCTCACTCCTCCAGGGGACTTTTGGAAAAGGT 960
Qy 961 TTTTAGCTAGTGTCTTCTGCTTTTAAATGACCTCAAGCCCGGCTGTGAGTGAAG 1020
Db 961 TTTTAGCTAGTGTCTTCTGCTTTTAAATGACCTCAAGCCCGGCTGTGAGTGAAG 1020
Qy 1021 CCAGAGAGGAGCCATGTGTCTGACCAAGTGTCTTCCCGGCGGGGCTGAGAGC 1080
Db 1021 CCAGAGAGGAGCCATGTGTCTGACCAAGTGTCTTCCCGGCGGGGCTGAGAGC 1080
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Db 1081 CGTGGAGGCGCTATTTATCTGCGTTCTCTGCCAAAGACTGTGGGGGCACTCACCTGC 1140
Qy 1141 CCGTGGAGGAGGCGGAGCGAGGCTGTGTCTCTCACTAGAGTTTGTCTTCCCTGTC 1200
Db 1141 CCGTGGAGGAGGCGGAGCGAGGCTGTGTCTCTCACTAGAGTTTGTCTTCCCTGTC 1200
Qy 1201 CCACTGCTGTATGATCTGGGGGCGCACCACTGTCTCCGGTGGCTGTGCTCCG 1260
Db 1201 CCACTGCTGTATGATCTGGGGGCGCACCACTGTCTCCGGTGGCTGTGCTCCG 1260
Qy 1261 TGGTGTGAGGGGCGGGGCTGTGTCTATGAGCACTTCTCTGTCTCCACCCCTGGAGCA 1320
Db 1261 TGGTGTGAGGGGCGGGGCTGTGTCTATGAGCACTTCTCTGTCTCCACCCCTGGAGCA 1320
Qy 1321 GGGAGAGGCTTGCCTGACACACCCAGCTTATGTAATTTTGGAGTGTACTAG 1380
Db 1321 GGGAGAGGCTTGCCTGACACACCCAGCTTATGTAATTTTGGAGTGTACTAG 1380
Qy 1381 GAAAGCTGGGAGGAGGAGGGGCTGCTCCAGTGTCTGTCTGTGCGAGGTAT 1440
Db 1381 GAAAGCTGGGAGGAGGAGGGGCTGCTCCAGTGTCTGTCTGTGCGAGGTAT 1440
Qy 1441 TTTAAATGCTGGGGAGATGCGCGGCTGTGGGATGCTTTTGGAGAGGAAATTAATGTT 1500
Db 1441 TTTAAATGCTGGGGAGATGCGCGGCTGTGGGATGCTTTTGGAGAGGAAATTAATGTT 1500
Qy 1501 TCTCATTCAG 1512
Db 1501 TCTCATTCAG 1512

RESULT 14
US-09-918-585A-161
Sequence 161, Application US/09918585A
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Baton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fond, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J

APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OR INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C1
CURRENT APPLICATION NUMBER: US/09/918,585A
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/07450
PRIOR FILING DATE: 1998-03-10
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PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
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PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
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PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328

Db 481 CTGTGAGGCGAGCATCACTTCAAGCTTCTTTTCACTTCTCTCTGAGGAGTGTGCTGCT 540
Qy 541 CCTGGGCTTACCAAGCTTCAAGGCTGAGCTGAGCGAATTCAATCCAGAAATTAAGTTGACC 600
Db 541 CCTGGGCTTACCAAGCTTCAAGGCTGAGCTGAGCGAATTCAATCCAGAAATTAAGTTGACC 600
Qy 601 CCACTCCGAGACCCCAACACTGAGCTCCTACCCAGAGTGAATGATGAGCAACTAC 660
Db 601 CCACTCCGAGACCCCAACACTGAGCTCCTACCCAGAGTGAATGATGAGCAACTAC 660
Qy 661 AACAGCAACCTTCAACCAAGCGGAGACCAACGAGGCTTACCAAGCGGCTGCTGT 720
Db 661 AACAGCAACCTTCAACCAAGCGGAGACCAACGAGGCTTACCAAGCGGCTGCTGT 720
Qy 721 ACTGAGTGGGGGTAGAGTGGGGAAGGGGAGAGAGAGGCTCCCTCTGAGCTGAGACT 780
Db 721 ACTGAGTGGGGGTAGAGTGGGGAAGGGGAGAGAGAGGCTCCCTCTGAGCTGAGACT 780
Qy 781 TTCCCATCAGGCTCTGGAACCTGCAAGCTGCTCTTTCATCTGATCCATCTGTGACAG 840
Db 781 TTCCCATCAGGCTCTGGAACCTGCAAGCTGCTCTTTCATCTGATCCATCTGTGACAG 840
Qy 841 TGACACACAGCTAAGAGAGCTCATAGCTGCGGGGCTGGAGAGCCACCCCAAGT 900
Db 841 TGACACACAGCTAAGAGAGCTCATAGCTGCGGGGCTGGAGAGCCACCCCAAGT 900
Qy 901 CCTGTGCCAGAGGGCTTCAAGTCAAGCGCTCACTCTCAAGGCACTTTAGAGAAAGGT 960
Db 901 CCTGTGCCAGAGGGCTTCAAGTCAAGCGCTCACTCTCAAGGCACTTTAGAGAAAGGT 960
Qy 961 TTTTACCTAGTCTTTCTCTGCTTTTAAATGACTCAAGCCGCTGCAAGTGGCTTGAAG 1020
Db 961 TTTTACCTAGTCTTTCTCTGCTTTTAAATGACTCAAGCCGCTGCAAGTGGCTTGAAG 1020
Qy 1021 CCAAGAGGTGCGCACTGCTACTGACAAAGTCCCTCACTTCCCGCGGAGCGGCTGAGG 1080
Db 1021 CCAAGAGGTGCGCACTGCTACTGACAAAGTCCCTCACTTCCCGCGGAGCGGCTGAGG 1080
Qy 1081 CGTGGAGCGGCTTAAATCTGCGTCTCTGCAAAAGACTGTGGGGGCTACACCTGCTG 1140
Db 1081 CGTGGAGCGGCTTAAATCTGCGTCTCTGCAAAAGACTGTGGGGGCTACACCTGCTG 1140
Qy 1141 CCTGTGAGGAGGAGCGGAGCAAGGCTTGTGTCTCACTCAAGTTTGTCTCCCTGCTG 1200
Db 1141 CCTGTGAGGAGGAGCGGAGCAAGGCTTGTGTCTCACTCAAGTTTGTCTCCCTGCTG 1200
Qy 1201 CCACTGCTGATGATCTGAGGGGCAACCACTGTGCGGCTGAGGCTGCTCCG 1260
Db 1201 CCACTGCTGATGATCTGAGGGGCAACCACTGTGCGGCTGAGGCTGCTCCG 1260
Qy 1261 TGGTGTAGGGGCGGGGCTGCTGATGAGCACTTCTCTTGTCTCCACCCCTGAGAGCA 1320
Db 1261 TGGTGTAGGGGCGGGGCTGCTGATGAGCACTTCTCTTGTCTCCACCCCTGAGAGCA 1320
Qy 1321 GGGAGAGGCTTGTGCTGACAAACCAAGCTTATGTAATATTTGAGATGTTACTTAG 1380
Db 1321 GGGAGAGGCTTGTGCTGACAAACCAAGCTTATGTAATATTTGAGATGTTACTTAG 1380
Qy 1381 GAAGCTTGGGAGAGGCAAGGGGCTGCTGCTCCAGATCTGTGTCGAGAGTAT 1440
Db 1381 GAAGCTTGGGAGAGGCAAGGGGCTGCTGCTCCAGATCTGTGTCGAGAGTAT 1440
Qy 1441 TATTAATCTGAGGAGAGTCCCGGCTGAGATGCTGTTGAGAGCGAATTAATGTTT 1500
Db 1441 TATTAATCTGAGGAGAGTCCCGGCTGAGATGCTGTTGAGAGCGAATTAATGTTT 1500
Qy 1501 TCTCATTCAGAG 1512
Db 1501 TCTCATTCAGAG 1512

RESULT 15

US-09-978-423A-161
Sequence 161, Application US/0978423A
Publication No. US20030069178A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlisen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavlin, Ivar J.
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APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C21
CURRENT APPLICATION NUMBER: US/09/978, 423A
CURRENT FILING DATE: 2002-05-16
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/07450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/07632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/07641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/07649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/07791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
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PRIOR FILING DATE: 1998-03-26
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PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689

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Search completed: April 8, 2004, 14:05:52
Job time : 562 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 8, 2004, 08:56:20 ; Search time 5849 Seconds

(without alignments)
11204.423 Million cell updates/sec

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Searched: 3470272 seqs, 2167151695 residues

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Minimum DB seq length: 0

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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	1512	100.0	1512	6	AX538190
3	1364	90.2	1478	6	BC029755
4	1333	88.2	1491	6	AX779861
5	1333	88.2	1491	6	HSBJ2308
6	1335	87.0	1708	9	BC000407
7	883	58.4	3052	9	HSBJ2308
8	881	58.3	177738	9	AC021593
9	879	58.3	209751	9	AC087645
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ALIGNMENTS

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AX538190
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS
JOURNAL

AX538190
Sequence 161 from Patent EP1241184.
AX538190
AX538190.1 GI:25270341

1512 bp
DNA
linear
PAT 23-NOV-2002

Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

Wood, W.J., Goddard, A., Gurney, A., Yuan, J., Baker, K.P. and Chen, J.
Human synapocrytin-like protein and nucleic acids encoding the same
Patent: EP 1241184-A 161 18-SEP-2002;

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ACCESSION	AX779861		
VERSION	AX779861.1	GI:3296855	
KEYWORDS			
SOURCE			
ORGANISM	Homo sapiens (human)		
REFERENCE	Homo sapiens		
AUTHORS	Eukaryota; Metazoa; Chordata; Craniata; Vertebrate; Euteleostomi;		
	Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.		
TITLE	1 Hafeerlach, T., Schoch, C., Kern, W., Kohlmann, A., Schnitzler, S.,		
JOURNAL	Dugas, M., Ellis, R., Bros, B. and Mergenthaler, S.		
	Novel genetic markers for leukemias		
	Patent: WO 03039443-A 2018 15-MAY-2003;		
	Deutsches Krebsforschungszentrum (DKFZ);		
	Ludwig-Maximilians-Universitaet Muenchen (LMU);		
	PD Dr. Dr. (DE) ; Schoch, Claudia (DE) ; Kern, Wolfgang (DE)		
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QY	Query Match	88.2%; Score 1333; DB 6; Length 1491;	
	Best Local Similarity	99.8%; Pred. No. 0;	
	Matches 1483; Conservative	0; Mismatches 3; Indels 0; Gaps 0;	
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[illegible]

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POLYA signal 3018, .3023
POLYA_site 3036
ORIGIN

Query Match 58.4%; Score 883; DB 9; Length 3052;

Best Local Similarity 99.8%; Pred. No. 0;
Matches 983; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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LOCUS Homo sapiens chromosome 17, clone RP11-153A23, complete sequence.

DEFINITION AC021593

AC021593.15 GI:22038664

KEYWORDS

HTG.

ORGANISM

REFERENCE

AUTHORS

JOURNAL

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AUTHORS

Accession	Sequence	Position
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REFERENCE			
1 (bases 1 to 209751)			

AUTHORS
TITLE
JOURNAL
REFERENCE
 2 (bases 1 to 209751)
 Batten,B., Nusbäum,C. and Lander,E.
 Homo sapiens chromosome 17, clone R11-219617
 Unpublished

AUTHORS
TITLE
JOURNAL
REFERENCE
 3 (bases 1 to 209751)
 Batten,B., Batten,V., Bloom,T., Boguslavsky,L., Boukhalter,B.,
 Camarata,J., Campoliano,A., Choepel,Y., Collamore,A.,
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AUTHORS
TITLE
JOURNAL
REFERENCE
 Submitted (16-JAN-2003) Whitehead Institute/MIT Center for Genome
 Research, 320 Charles Street, Cambridge, MA 02141, USA
 3 (bases 1 to 209751)
 Batten,B., Nusbäum,C., Lander,E., Alt,A., Allen,N., Anderson,S.,
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 Wyman,D., Young,G., Zainoun,T., Zembek,L., Zimmer,A. and Zody,M.

AUTHORS
TITLE
JOURNAL
REFERENCE
 Submitted (16-JAN-2003) Whitehead Institute/MIT Center for Genome
 Research, 320 Charles Street, Cambridge, MA 02141, USA
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 Batten,B., Nusbäum,C., Lander,E., Abouelleil,A., Allen,N.,
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 Wyman,D., Young,G., Zainoun,T., Zembek,L., Zimmer,A. and Zody,M.

Submitted (05-FEB-2003) Whitehead Institute/MIT Center for Genome

COMMENT

Research, 320 Charles Street, Cambridge, MA 02141, USA
 On Dec 20, 2002 this sequence version replaced g1:26190573.
 All repeats were identified using RepeatMasker:

Smit, A.F.A. & Green, P. (1996-1997)
<http://ftp.genome.washington.edu/RM/RepeatMasker.html>

----- Genome Center

Center: Whitehead Institute/ MIT Center for Genome Research
 Center code: MIBR
 Web site: <http://www-seq.wi.mit.edu>
 Contact: sequence_submissions@genome.wi.mit.edu
 ----- Project Information
 Center Project name: L11992
 Center clone name: 219_G_17

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 ACCESSION BD189955
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 KEYWORDS WO 03008450-A/65.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
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 1 (bases 1 to 1254)
 Ito, K. and Shichijo, S.
 Tumor antigen
 Patent: WO 03008450-A 65 30-JUN-2003;
 KYOGO ITO, SHIGEKI SHICHIO
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VERSION	BD192668.1 GI:33002407		
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*      49092      50259: contig of 1168 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      50260      51361: contig of 1102 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      51362      52631: contig of 1270 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      52632      53607: contig of 976 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      53608      54820: contig of 1213 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      54821      56600: contig of 1780 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      56601      58236: contig of 1636 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      58237      59716: contig of 1480 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      59717      62221: contig of 2505 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      62222      65085: contig of 2864 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      65086      66739: contig of 1654 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      66740      68359: contig of 1620 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      68360      70014: contig of 1655 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      70015      71808: contig of 1794 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      71809      73581: contig of 1773 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      73582      75574: contig of 1993 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      75575      78468: contig of 2894 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      78469      79231: contig of 763 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      79232      83240: contig of 4009 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      83241      86157: contig of 2917 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      86158      89150: contig of 2993 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      89151      92671: contig of 3521 bp in length      gap of unknown length
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*      92672      95442: contig of 2771 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      95443      98476: contig of 3034 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      98477      100815: contig of 2339 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      100816      103005: contig of 2190 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      103006      105514: contig of 2509 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      105515      108704: contig of 3190 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      108705      111097: contig of 2393 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      111098      114888: contig of 3791 bp in length      gap of unknown length
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
*      114889      117423: contig of 2535 bp in length      gap of unknown length

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Query Match      37.2%; Score 563; DB 2; Length 229426;
Best Local Similarity 100.0%; Pred. No. 2.6e-257;
Matches 563; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      947      TTTTAGAAAGGTTTATAGTGTGTTTCTGCTTTATGACTCAGCCCGCCT      1006
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QY      1007      GCAGTGGCTAGAAAGCCAGAGGTGCCCATGTCTACTGACAAAGTGGCTTATGCCCCC      1066
DB      110891      GCAGTGGCTAGAAAGCCAGAGGTGCCCATGTCTACTGACAAAGTGGCTTATGCCCCC      110832

QY      1067      GGCCCGGCTCAGGCGGTGGAGCCGCTATATCTGCTGCTTGGCAAGACTGTGGGG      1126
DB      110831      GGCCCGGCTCAGGCGGTGGAGCCGCTATATCTGCTGCTTGGCAAGACTGTGGGG      110772

QY      1127      GCCATCACACTGCCCCGTGTGACGCGGAGCCGACCAAGCTCTTGTGCTCACTAGGTT      1186
DB      110771      GCCATCACACTGCCCCGTGTGACGCGGAGCCGACCAAGCTCTTGTGCTCACTAGGTT      110712

QY      1187      TGGTCCCGCTGGCCACTGCTGTATGATCTGAGGAGCCACACCCGCTGCGAGTGCCTC      1246
DB      110711      TGGTCCCGCTGGCCACTGCTGTATGATCTGAGGAGCCACACCCGCTGCGAGTGCCTC      110652

QY      1247      TGGGCTGCTCCCGTGTGTGAGGCGGAGCTGTGTCTATGAGCACTTCTCTTGTCTCC      1306
DB      110651      TGGGCTGCTCCCGTGTGTGAGGCGGAGCTGTGTCTATGAGCACTTCTCTTGTCTCC      110592

QY      1307      CAGCCCTGACAGAGAGGAGGCTTGGCTGACACACCCAGCTTATGATAATTTCTG      1366
DB      110591      CAGCCCTGACAGAGAGGAGGCTTGGCTGACACACCCAGCTTATGATAATTTCTG      110532

QY      1367      CAGTTGTTACTTAGAAGCCTGAGGAGGAGGAGGCTGCCCATGCTGCCAGACTGTCTC      1426
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QY      1427      TGTGCCGAGTGTATTTTAAATCTGAGGAGAGATGCCCGCTGGATGTCTGTTGGAGA      1486
DB      110471      TGTGCCGAGTGTATTTTAAATCTGAGGAGAGATGCCCGCTGGATGTCTGTTGGAGA      110412

QY      1487      CGGATTAATGTTTCTCATTTCA      1509
DB      110411      CGGATTAATGTTTCTCATTTCA      110389

RESULT 15
AC032035      154840 bp      DNA      linear      HTG 08-SEP-2000
LOCUS      AC032035
DEFINITION      Homo sapiens chromosome 17 clone RP11-141D15 map 17, *** SEQUENCING
IN PROGRESS ***, 18 unordered pieces.
ACCESSION      AC032035      GI:9994161
VERSION      AC032035.3
KEYWORDS      HTG; HTGS PHASE1.
SOURCE      Homo sapiens (human)
ORGANISM      Homo sapiens
Eukaryota; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 154840)
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
2 (bases 1 to 154840)
Unpublished
Birren,B., Linton,L., Nusbaum,C., Lander,E., Abraham,H., Allen,N.,
Anderson,S., Baldwin,J., Barna,N., Bastien,V., Bede,F.,
Boguslavsky,L., Bouckelter,B., Brown,A., Burkett,G.,
Campiano,A., Castle,A., Choquel,Y., Colangelo,M., Collins,S.,
Collymore,A., Cooke,F., DeRubeis,K., Dewar,K., Diaz,J.S.,
Dodge,S., Domingo,M., Doyle,M., Ferreira,F., Fitzhugh,M., Gage,D.,
Galagan,J., Gardyna,S., Ginde,S., Goyette,M., Graham,L.,
Grand-Pierre,N., Grant,G., Hagos,B., Heaford,A., Horton,L.,
Howland,J.C., Iliev,I., Johnson,R., Jones,C., Kamm,L., Karatas,A.,
Klein,J., Labrecque,K., Lamazares,R., Landers,T., Lechoczky,J.,

```

TITLE
JOURNAL
COMMENT

Levine, R., Liey, C., Liu, G., Locke, K., MacDonald, P., Margulis, N., McCarthy, M., McEwan, P., McGurk, A., McKernan, K., McSheeters, R., Meldrum, J., Menes, L., Mihova, T., Miranda, C., Mlenga, V., Morrow, J., Murphy, J., Naylor, J., Norman, C.H., O'Connor, T., O'Donnell, P., O'Neill, D., Olyar, T.M., Oliver, J., Peterson, K., Pletzer, N., Pisanil, C., Pollara, V., Raymond, C., Riley, R., Rogov, P., Rothman, D., Roy, A., Santos, R., Schauer, S., Severy, P., Spencer, B., Stange-Thomann, N., Stojanovic, N., Subramanian, A., Talamas, J., Testafave, S., Theodore, J., Tirrell, A., Travers, M., Trigglio, J., Vassiliev, H., Viel, R., Vo, A., Wilson, B., Wu, X., Wyman, D., Ye, W., Young, G., Zainoun, J., Zimmer, A. and Zody, M.

Center: Whitehead Institute/ MIT Center for Genome Research
Center code: WIBR
Web site: <http://www-seq.wi.mit.edu>
Contact: sequence.submissions@genome.wi.mit.edu
Project information
Center project name: L9138
Center clone name: 141_D15

* NOTE: This is a 'working draft' sequence. It currently
* consists of 18 contigs. The true order of the pieces
* is not known and their order in this sequence record is
* arbitrary. Gaps between the contigs are represented as
* runs of N, but the exact sizes of the gaps are unknown.
* This record will be updated with the finished sequence
* as soon as it is available and the accession number will
* be preserved.

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1      2373: contig of 2373 bp in length
*      2374      2473: gap of 100 bp
*      2474      4930: contig of 2457 bp in length
*      4931      5030: gap of 100 bp
*      5031      7215: contig of 2185 bp in length
*      7216      7315: gap of 100 bp
*      7316      9541: contig of 2226 bp in length
*      9542      9641: gap of 100 bp
*      9642      12211: contig of 2570 bp in length
*      12212      12311: gap of 100 bp
*      12312      14923: contig of 2612 bp in length
*      14924      15023: gap of 100 bp
*      15024      19094: contig of 4071 bp in length
*      19095      19194: gap of 100 bp
*      19195      22286: contig of 3092 bp in length
*      22287      22386: gap of 100 bp
*      22387      26147: contig of 3761 bp in length
*      26148      26247: gap of 100 bp
*      26248      31933: contig of 5686 bp in length
*      31934      32033: gap of 100 bp
*      32034      37339: contig of 5306 bp in length
*      37340      37439: gap of 100 bp
*      37440      42858: contig of 5419 bp in length
*      42859      42958: gap of 100 bp
*      42959      48810: contig of 5852 bp in length
*      48811      48910: gap of 100 bp
*      48911      56029: contig of 7119 bp in length
*      56030      56129: gap of 100 bp
*      56130      62189: contig of 6060 bp in length
*      62190      62289: gap of 100 bp
*      62290      82959: contig of 20670 bp in length
*      82960      83059: gap of 100 bp
*      83060      107059: contig of 24000 bp in length
*      107060      107159: gap of 100 bp
*      107160      154840: contig of 47661 bp in length.
Location/Qualifiers
1. 154840
/organism="Homo sapiens"

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ORIGIN

Query Match 31.8%; Score 481; DB 2; Length 154840;
Best Local Similarity 99.7%; Pred. No. 3,4e-218;
Matches 721; Conservative 0; Mismatches 0; Indels 2; Gaps 2;
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/db_xref="taxon:9606"
/chromosome="17"
/map="117"
/clone="RP11-141D15"
/clone_lib="RP11 Human Male BAC"

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DB      92295 AGCTCTGGAACCTGACAGCCCTCTCTTTCACCTGTTCCATCTCTGTGACGCTGACAC 92354
QY      849  AGCTAAGAGCTCATATGACTGTGCGGGGGGTGACAGACCAACCCCAATGCTGTGCC 908
DB      92355 AGCTAAGAGCTCATATGACTGTGCGGGGGGTGACAGACCAACCCCAATGCTGTGCC 92414
QY      909  CAGAGGCTTCACTGACCGCTCACTCTCCAGAGGCACTTTAGAAAGGCTTTTAGCT 968
DB      92415 CAGAGGCTTCACTGACCGCTCACTCTCCAGAGGCACTTTAGAAAGGCTTTTAGCT 92474
QY      969  AGGTCTTCTGCTTTTATATGACCTCAGCCCGCGCTGACAGTGGCTAGAA-CCACAG 1027
DB      92475 AGGTCTTCTGCTTTTATATGACCTCAGCCCGCGCTGACAGTGGCTAGAAAGCTAG 92534
QY      1028 GTGCCCATGTGCTACTGACAGAGTCTCAGCTTCCCCCGGGGCTCAGGCGTGGGA 1087
DB      92535 GTGCCCATGTGCTACTGACAGAGTCTCAGCTTCCCCCGGGGCTCAGGCGTGGGA 92594
QY      1088 GCGGCTTTATCTGCGTCTCTGCGAAAGACTGTGGGGGCGCATCACCCTGCTGTGC 1147
DB      92595 GCGGCTTTATCTGCGTCTCTGCGAAAGACTGTGGGGGCGCATCACCCTGCTGTGC 92654
QY      1148 AGCGAGACCGGACCGAGCTTGTGTCCTCACTCAGGTTGCTTCCCTGTGCCACTGC 1207
DB      92655 AGCGAGACCGGACCGAGCTTGTGTCCTCACTCAGGTTGCTTCCCTGTGCCACTGC 92714
QY      1208 TGTATGATCTGGGGGCGACCACTT-GTGCGGTGGCTTGTGGGCTCCCGTGGTGT 1266
DB      92715 TGTATGATCTGGGGGCGACCACTTGTGCGGTGGCTTGTGGGCTCCCGTGGTGT 92774
QY      1267 GAGGCGGGGCTGTGCTCATGACACTTCTCTTGTGCCACCCCTGAGAGGGAAG 1326
DB      92775 GAGGCGGGGCTGTGCTCATGACACTTCTCTTGTGCCACCCCTGAGAGGGAAG 92834
QY      1327 GCGTTGCTGACACACCCAGCTTTATGTAAATTTCTGAGTTTACTTGAAGGCC 1386
DB      92835 GCGTTGCTGACACACCCAGCTTTATGTAAATTTCTGAGTTTACTTGAAGGCC 92894
QY      1387 TGGGGAAGGGGAGGGGTGCCCATGAGCTGCCAGACTGTGTGCGGAGTGTATTA 1446
DB      92895 TGGGGAAGGGGAGGGGTGCCCATGAGCTGCCAGACTGTGTGCGGAGTGTATTA 92954
QY      1447 ATCGTGGGAGAGATCCCGGCTGTGAGTGTGTTGAGAGCGAATTAATGTTTCTCAT 1506
DB      92955 ATCGTGGGAGAGATCCCGGCTGTGAGTGTGTTGAGAGCGAATTAATGTTTCTCAT 93014
QY      1507 TCA 1509
DB      93015 TCA 93017

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Search completed: April 8, 2004, 13:43:24
Job time : 5857 secs

FEATURES
source
/organism="Homo sapiens"

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 7, 2004, 11:55:09 / Search time 23 Seconds
(without alignments)
502.792 Million cell updates/sec

Title: US-10-020-445A-162

Perfect score: 1191
Sequence: 1 MESSAGYAKAGGSFDRRLRF.....OPPTONAEETEGYQPPVY 224

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database: Issued Patents AA:*

1: /cgn2_6/ptodata/2/1aa/5A_COMB.pep:*

2: /cgn2_6/ptodata/2/1aa/5B_COMB.pep:*

3: /cgn2_6/ptodata/2/1aa/6A_COMB.pep:*

4: /cgn2_6/ptodata/2/1aa/6B_COMB.pep:*

5: /cgn2_6/ptodata/2/1aa/6C_COMB.pep:*

6: /cgn2_6/ptodata/2/1aa/6D_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1385	99.5	224	2	US-08-700-637-2
2	558	46.9	231	2	US-08-700-637-3
3	148	12.4	25	4	US-09-227-357-512
4	136	11.4	24	4	US-09-227-357-509
5	133	11.2	56	4	US-09-621-976-4130
6	93	7.8	18	4	US-09-227-357-510
7	93	7.8	709	4	US-09-874-923-121
8	86	7.2	17	4	US-09-227-357-511
9	86	7.2	442	4	US-09-328-352-6877
10	85	7.1	155	4	US-09-107-532A-5264
11	85	7.1	522	3	US-09-142-732-2
12	85	7.1	522	4	US-08-945-826-2
13	85	7.1	522	4	US-09-197-503-2
14	84	7.1	419	2	US-08-933-750C-30
15	84	7.1	419	3	US-09-234-613-30
16	81.5	6.8	521	4	US-08-945-826-6
17	81.5	6.8	521	4	US-09-197-503-6
18	79.5	6.7	307	1	US-07-982-112-2
19	79.5	6.7	576	4	US-09-540-236-2286
20	78.5	6.6	539	4	US-09-614-912-144
21	78	6.5	871	4	US-09-500-123-7
22	77	6.5	472	4	US-08-253-991A-18544
23	77	6.5	1214	2	US-08-231-193A-54
24	77	6.5	1214	2	US-08-486-273A-54
25	77	6.5	1214	3	US-08-480-474-54
26	77	6.5	1214	3	US-08-940-086A-54
27	77	6.5	1214	4	US-08-940-035A-54

28	77	6.5	1214	4	US-08-935-105A-54	Sequence 54, Appl
29	77	6.5	1214	4	US-09-648-797-54	Sequence 54, Appl
30	77	6.5	1214	4	US-09-386-123-54	Sequence 54, Appl
31	77	6.5	1231	2	US-08-231-193A-48	Sequence 48, Appl
32	77	6.5	1231	2	US-08-486-273A-48	Sequence 48, Appl
33	77	6.5	1231	3	US-08-480-474-48	Sequence 48, Appl
34	77	6.5	1231	3	US-08-940-086A-48	Sequence 48, Appl
35	77	6.5	1231	4	US-08-935-105A-48	Sequence 48, Appl
36	77	6.5	1231	4	US-08-940-035A-48	Sequence 48, Appl
37	77	6.5	1231	4	US-09-648-797-48	Sequence 48, Appl
38	77	6.5	1231	4	US-09-386-123-48	Sequence 48, Appl
39	77	6.5	1239	2	US-08-231-193A-52	Sequence 52, Appl
40	77	6.5	1239	2	US-08-486-273A-52	Sequence 52, Appl
41	77	6.5	1239	3	US-08-480-474-52	Sequence 52, Appl
42	77	6.5	1239	3	US-08-940-086A-52	Sequence 52, Appl
43	77	6.5	1239	4	US-08-940-035A-52	Sequence 52, Appl
44	77	6.5	1239	4	US-08-935-105A-52	Sequence 52, Appl
45	77	6.5	1239	4	US-09-648-797-52	Sequence 52, Appl

ALIGNMENTS

RESULT 1

US-08-700-637-2
Sequence 2, Application US/08700637

Patent No. 5854413

GENERAL INFORMATION:

APPLICANT: Hawkins, Phillip R.

APPLICANT: Stuart, Susan G.

TITLE OF INVENTION: NOVEL SYNAPTOGRIIN HOMOLOG FROM COLON

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Incyte Pharmaceuticals, Inc.

STREET: 3174 Porter Drive

CITY: Palo Alto

STATE: CA

COUNTRY: U.S.

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSeq Version 1.5

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/700,637

FILING DATE: Filed Herewith

ATTORNEY/AGENT INFORMATION:

NAME: Luther, Barbara J.

REGISTRATION NUMBER: 33,954

REFERENCE/DOCKET NUMBER: PF-0065 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-855-0555

TELEFAX: 415-852-0195

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 224 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

IMMEDIATE SOURCE:

LIBRARY: COLNOT05

CLONE: 775426

US-08-700-637-2

Query Match 99.5%; Score 1185; DB 2; Length 224;

Best Local Similarity 99.6%; Pred. No. 3.3e-125;

Matches 223; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

1 MESSAGYAKAGGSFDRRLRFLOPVAVAVLVFIVFSCTYGEYSNAESKQMYCV 60

EARLIER APPLICATION NUMBER: 60/055,954
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/058,785
EARLIER FILING DATE: 1997-09-12
EARLIER APPLICATION NUMBER: 60/058,664
EARLIER FILING DATE: 1997-09-12
EARLIER APPLICATION NUMBER: 60/058,660
EARLIER FILING DATE: 1997-09-12
EARLIER APPLICATION NUMBER: 60/058,661
EARLIER FILING DATE: 1997-09-12
NUMBER OF SEQ ID NOS: 672
SOFTWARE: Patentn Ver. 2.0
SEQ ID NO: 512
LENGTH: 25
TYPE: PRT
ORGANISM: Homo sapiens
US-09-227-357-512

Query Match 12.4%; Score 148; DB 4; Length 25;
Best Local Similarity 100.0%; Pred. No. 6,9e-10;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 112 SALMTFLMFVGFCEFTNQAVTNPK 136
DB 1 SALMTFLMFVGFCEFTNQAVTNPK 25

RESULT 4
US-09-227-357-509
Sequence 509, Application US/09227357
Patent No. 6342581
GENERAL INFORMATION:
APPLICANT: Fischer et al.
TITLE OF INVENTION: 123 Human Secreted Proteins
FILE REFERENCE: P2010P1
CURRENT FILING DATE: 1999-01-08
EARLIER APPLICATION NUMBER: PCT/US98/13684
EARLIER FILING DATE: 1998-07-07
EARLIER APPLICATION NUMBER: 60/051,926
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/052,793
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,925
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,929
EARLIER FILING DATE: 1997-07-08
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EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,919
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,928
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/055,722
EARLIER FILING DATE: 1997-08-18

EARLIER APPLICATION NUMBER: 60/055,723
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,948
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,949
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,953
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,950
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,947
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,964
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/056,360
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,684
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,984
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,954
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/058,785
EARLIER FILING DATE: 1997-09-12
EARLIER APPLICATION NUMBER: 60/058,664
EARLIER FILING DATE: 1997-09-12
EARLIER APPLICATION NUMBER: 60/058,660
EARLIER FILING DATE: 1997-09-12
EARLIER APPLICATION NUMBER: 60/058,661
NUMBER OF SEQ ID NOS: 672
SOFTWARE: Patentn Ver. 2.0
SEQ ID NO: 509
LENGTH: 24
TYPE: PRT
ORGANISM: Homo sapiens
US-09-227-357-509

Query Match 11.4%; Score 136; DB 4; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.5e-08;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 39 VFSCIVGEGYSNAHESKQMYCVFN 62
DB 1 VFSCIVGEGYSNAHESKQMYCVFN 24

RESULT 5
US-09-621-976-4130
Sequence 4130, Application US/09621976
Patent No. 6639063
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Tobert, S.
TITLE OF INVENTION: ESTs and Encoded Human Proteins.
FILE REFERENCE: GENSET.054PR2
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO: 4130
LENGTH: 56
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE: KEY
NAME/KEY: SIGNAL
LOCATION: -411..-1
US-09-621-976-4130

Query Match 11.2%; Score 133; DB 4; Length 56;
Best Local Similarity 49.0%; Pred. No. 1.1e-07;
Matches 25; Conservative 8; Mismatches 18; Indels 0; Gaps 0;

QY 1 MEGAYGAKAGSPDLRFLTPQVAVACVLFALIVFSCITGEYSNA 51
 DB 1 MEGAYGAKAGGADPYTLVFNQPHITLRVSMIFSIVFSGIYNS 51

RESULT 6
 US-09-227-357-510
 Sequence 510, Application US/09227357
 Patent No. 6342581
 GENERAL INFORMATION:
 APPLICANT: Fischer et al.
 TITLE OF INVENTION: 123 Human Secreted Proteins
 FILE REFERENCE: P2010P1
 CURRENT APPLICATION NUMBER: US/09/227,357
 CURRENT FILING DATE: 1999-01-08
 EARLIER APPLICATION NUMBER: PCT/US98/13684
 EARLIER FILING DATE: 1998-07-07
 EARLIER APPLICATION NUMBER: 60/051,926
 EARLIER FILING DATE: 1997-07-08
 EARLIER APPLICATION NUMBER: 60/052,793
 EARLIER FILING DATE: 1997-07-08
 EARLIER APPLICATION NUMBER: 60/051,925
 EARLIER FILING DATE: 1997-07-08
 EARLIER APPLICATION NUMBER: 60/051,929
 EARLIER FILING DATE: 1997-07-08
 EARLIER APPLICATION NUMBER: 60/052,803
 EARLIER FILING DATE: 1997-07-08
 EARLIER APPLICATION NUMBER: 60/052,732
 EARLIER FILING DATE: 1997-07-08
 EARLIER APPLICATION NUMBER: 60/051,931
 EARLIER FILING DATE: 1997-07-08
 EARLIER APPLICATION NUMBER: 60/051,932
 EARLIER FILING DATE: 1997-07-08
 EARLIER APPLICATION NUMBER: 60/051,916
 EARLIER FILING DATE: 1997-07-08
 EARLIER APPLICATION NUMBER: 60/051,930
 EARLIER FILING DATE: 1997-07-08
 EARLIER APPLICATION NUMBER: 60/051,918
 EARLIER FILING DATE: 1997-07-08
 EARLIER APPLICATION NUMBER: 60/051,920
 EARLIER FILING DATE: 1997-07-08
 EARLIER APPLICATION NUMBER: 60/052,733
 EARLIER FILING DATE: 1997-07-08
 EARLIER APPLICATION NUMBER: 60/052,795
 EARLIER FILING DATE: 1997-07-08
 EARLIER APPLICATION NUMBER: 60/051,919
 EARLIER FILING DATE: 1997-07-08
 EARLIER APPLICATION NUMBER: 60/051,928
 EARLIER FILING DATE: 1997-07-08
 EARLIER APPLICATION NUMBER: 60/051,722
 EARLIER FILING DATE: 1997-08-18
 EARLIER APPLICATION NUMBER: 60/055,723
 EARLIER FILING DATE: 1997-08-18
 EARLIER APPLICATION NUMBER: 60/055,948
 EARLIER FILING DATE: 1997-08-18
 EARLIER APPLICATION NUMBER: 60/055,949
 EARLIER FILING DATE: 1997-08-18
 EARLIER APPLICATION NUMBER: 60/055,953
 EARLIER FILING DATE: 1997-08-18
 EARLIER APPLICATION NUMBER: 60/055,950
 EARLIER FILING DATE: 1997-08-18
 EARLIER APPLICATION NUMBER: 60/055,947
 EARLIER FILING DATE: 1997-08-18
 EARLIER APPLICATION NUMBER: 60/055,964
 EARLIER FILING DATE: 1997-08-18
 EARLIER APPLICATION NUMBER: 60/055,360
 EARLIER FILING DATE: 1997-08-18
 EARLIER APPLICATION NUMBER: 60/055,684
 EARLIER FILING DATE: 1997-08-18
 EARLIER APPLICATION NUMBER: 60/055,984
 EARLIER FILING DATE: 1997-08-18
 EARLIER APPLICATION NUMBER: 60/055,954

EARLIER FILING DATE: 1997-08-18
 EARLIER APPLICATION NUMBER: 60/058,785
 EARLIER FILING DATE: 1997-09-12
 EARLIER APPLICATION NUMBER: 60/058,664
 EARLIER FILING DATE: 1997-09-12
 EARLIER APPLICATION NUMBER: 60/058,660
 EARLIER FILING DATE: 1997-09-12
 EARLIER APPLICATION NUMBER: 60/058,661
 EARLIER FILING DATE: 1997-09-12
 NUMBER OF SEQ ID NOS: 672
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 510
 LENGTH: 18
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-227-357-510

Query Match
 Best Local Similarity 100.0%; Score 93; DB 4; Length 18;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 63 RNEDACRYGSAIGVLAFL 80
 DB 1 RNEDACRYGSAIGVLAFL 18

RESULT 7
 US-09-874-923-121
 Sequence 121, Application US/09874923
 Patent No. 6638517
 GENERAL INFORMATION:
 APPLICANT: Reed, Steven G.
 APPLICANT: Campos-Neto, Antonio
 APPLICANT: Webb, John R.
 APPLICANT: Dillon, David C.
 APPLICANT: Skeiky, Yasir A.W.
 APPLICANT: Bhatia, Ajay
 APPLICANT: Coler, Rhea
 APPLICANT: Probst, Peter
 APPLICANT: Brannon, Mark
 TITLE OF INVENTION: LEISHMANIA ANTIGENS FOR USE IN THE
 TITLES OF INVENTION: THERAPY AND DIAGNOSIS OF LEISHMANIASIS
 FILE REFERENCE: 210121.420C8
 CURRENT APPLICATION NUMBER: US/09/874,923
 CURRENT FILING DATE: 2001-06-04
 NUMBER OF SEQ ID NOS: 122
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 121
 LENGTH: 709
 TYPE: PRT
 ORGANISM: Leishmania major and chagasi
 US-09-874-923-121

Query Match
 Best Local Similarity 25.1%; Score 93; DB 4; Length 709;
 Matches 47; Conservative 21; Mismatches 73; Indels 46; Gaps 8;

QY 12 GGSPDLRFLTPQVAVACVLFALIVFSCITGE-----GYSNA-HEKQNTC 59
 DB 6 GGSL-----AVVALAVCLAVLAIGTCVDSQDEIGSSFTFVGSASKEESYOGC 56
 QY 60 VF-----NRNEDACRYGSAIGVLAFLASAFELVVDVYFPQISNAT--DRXYLV 105
 DB 57 TLTKAFRIQGAASSLSDDTLPQGLIRSSLLVSGYIVVDKFFRNTTITKDSAGTV 116
 QY 106 IGDLLF-----SALWTFLMFVGFCLTNQMAVTNPKDVLVGADSVRAATFSFISFGV 161
 DB 117 AAGWPFIDANTATVSDLSIVTDSLISWAARS-----GQSWRAAPFIQLSS--SLFV 169
 QY 162 LASLAIQ 168
 DB 170 LGSVTYQ 176

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RESULT 8
US-09-227-357-511
; Sequence 511, Application US/09227357
; Patent No. 6542581
; GENERAL INFORMATION:
; APPLICANT: Fischer et al.
; TITLE OF INVENTION: 123 Human Secreted Proteins
; FILE REFERENCE: P2010P1
; CURRENT APPLICATION NUMBER: US/09/227,357
; CURRENT FILING DATE: 1999-01-08
; EARLIER APPLICATION NUMBER: PCT/US98/13684
; EARLIER FILING DATE: 1998-07-07
; EARLIER APPLICATION NUMBER: 60/051,926
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,793
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,925
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,929
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,803
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,732
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,931
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,932
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,916
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,930
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,918
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,920
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,733
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,795
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,919
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,928
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/055,722
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,723
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,948
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,949
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,953
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,950
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,947
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,964
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/056,360
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,684
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,984
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,954
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/058,785
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,664
; EARLIER FILING DATE: 1997-09-12
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; EARLIER APPLICATION NUMBER: 60/058,660
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,661
; EARLIER FILING DATE: 1997-09-12
; NUMBER OF SEQ ID NOS: 672
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 511
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-227-357-511

Query Match      7.2%; Score 86; DB 4; Length 17;
Best Local Similarity 100.0%; Pred. No. 0.0037;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy      86 LVVDAYFPQISNATDRK 102
Db      1 LVVDAYFPQISNATDRK 17

RESULT 9
US-09-328-352-6877
; Sequence 6877, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 6877
; LENGTH: 442
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-6877

Query Match      7.2%; Score 86; DB 4; Length 442;
Best Local Similarity 21.9%; Pred. No. 0.42; 77; Indels 42; Gaps 7;
Matches 42; Conservative 31; Mismatches 11;

Cy      15 FDIRRFTQ--PQVVARVCL--VFALIVFSCYGGYNAHESKOMYCVFNEDACRY 70
Db      140 FTQSFSLSHVFPSTIAEPAANDILQVLVSTIFGSAALFVNGKXKDVIRLDB--- 196

Cy      71 GSAIGVLAFLASAFPLVD-----AVFPQISNATDRKYL-----VIGDLIFS-- 112
Db      197 -----LSKIMFRITDYVMWFAPFAVFAIAISAITVOGLILVDYGLIAEFYGLL 247

Cy      113 ALMTPLMFVGFCLTNQWNTNPQDVLVGADSVRAITSPFSIFSGVLAISLQRYRA 172
Db      248 LLMVILFVSG-----NIVLKQDIFRLGKIREVTTLAFTASSESAYPKMDALNF 299

Cy      173 GVDDPFIQNYVDP 184
Db      300 GVPKVTSTFVLFP 311

RESULT 10
US-09-107-532A-5264
; Sequence 5264, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSER: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
```

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STATE: Massachusetts
COUNTRY: USA
ZIP: 02354
COMPUTER READABLE FORM:
MEDIUM TYPE: CD-ROM ISO9660
COMPUTER: PC
OPERATING SYSTEM: <unknown>
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
  APPLICATION NUMBER: US/09/107,532A
  FILING DATE: 30-Jun-1998
PRIOR APPLICATION DATA:
  APPLICATION NUMBER: 60/085,598
  FILING DATE: 14 May 1998
  APPLICATION NUMBER: 60/051571
  FILING DATE: July 2, 1997
ATTORNEY/AGENT INFORMATION:
  NAME: Arinello, Pamela Deneke
  REGISTRATION NUMBER: 40,489
  REFERENCE/DOCKET NUMBER: GTC-012
TELECOMMUNICATION INFORMATION:
  TELEPHONE: (781)893-5007
  TELEFAX: (781)893-8277
INFORMATION FOR SEQ ID NO: 5264:
  SEQUENCE CHARACTERISTICS:
    LENGTH: 155 amino acids
    TYPE: amino acid
    TOPOLOGY: linear
    MOLECULE TYPE: protein
    HYPOTHEICAL: YES
    ORIGINAL SOURCE:
      ORGANISM: Enterococcus faecium
      FEATURE:
        NAME/KEY: misc feature
        LOCATION: (B) LOCATION 1...155
        SEQUENCE DESCRIPTION: SEQ ID NO: 5264:
US-09-107-532A-5264

Query Match      7.1%; Score 85; DB 4; Length 155;
Best Local Similarity 26.6%; Pred. No. 0.12;
Matches 47; Conservative 27; Mismatches 67; Indels 36; Gaps 8;

Cy 18 RRFPLQVAVARAVCLV-----PALIVFSCIVGEGYS-NAHESKQWCVFNNEDACRYG 71
Db 4 KRFTSKMKAIKRECECLMKFQEFILIFSVLGEGRIRFAHLP-----G 49
Cy 72 SAIVLAFLASAFLL-VVDAYFPQISNATDRKLVIGDLFSALMTFLMFVGFCTLTQW 130
Db 50 SIIDIL-FLFLAFEMHLDV--PEKIGAT-----GDFLLNNLAILFVPAGVGLLEYFD 98
Cy 131 AVTPKQVLVGADSVRAITFSPFSIFSWGLASLAVORYK---AGVDDFIQNTYVD 183
Db 99 DIAIWPVLGAVVGVSVITMVAAGKTABGVALLGYVKKAKERYSVMEVENEQID 155

RESULT 11
US-09-142-732-2
; Sequence 2, Application US/09142732
; Patent No. 6252045
; GENERAL INFORMATION:
; APPLICANT: James M. Anderson
; APPLICANT: Christina M. Van Itallie
; TITLE OF INVENTION: Human Occludin, Its Use and
; TITLE OF INVENTION: Enhancement of Drug Absorption Using Occludin Inhibitors
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Yale University Medical School
; ADDRESSEE: Section of Digestive Diseases
; ADDRESSEE: Department of Internal Medicine
; STREET: 333 Cedar Street, LCI 105
; CITY: New Haven
; STATE: Connecticut
; COUNTRY: United States of America

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ZIP: 06520-8057
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" 1.44 Mb diskette
COMPUTER: IBM PC
OPERATING SYSTEM: MS DOS
SOFTWARE: Word Processing
CURRENT APPLICATION DATA:
  APPLICATION NUMBER: US/09/142,732
  FILING DATE:
CLASSIFICATION:
  PRIOR APPLICATION NUMBER: PCT/US97/05809
  APPLICATION NUMBER: PCT/US97/05809
  FILING DATE: March 14, 1997
  APPLICATION NUMBER: U.S. 60/013,625
  FILING DATE: March 15, 1996
ATTORNEY/AGENT INFORMATION:
  NAME: Mary M. Kinsky
  REGISTRATION NUMBER: 32423
  REFERENCE/DOCKET NUMBER: 1751-P0016B, PCT
TELECOMMUNICATION INFORMATION:
  TELEPHONE: 203-324-6155
  TELEFAX: 203-327-1066
INFORMATION FOR SEQ ID NO: 2:
  SEQUENCE CHARACTERISTICS:
    LENGTH: 522
    TYPE: amino acid
    STRANDEDNESS: single
    TOPOLOGY: linear
    MOLECULE TYPE:
      DESCRIPTION: polypeptide
      FRAGMENT TYPE: complete sequence
  FEATURE:
    NAME/KEY: human occludin
US-09-142-732-2

Query Match      7.1%; Score 85; DB 3; Length 522;
Best Local Similarity 16.2%; Pred. No. 0.7;
Matches 59; Conservative 46; Mismatches 92; Indels 168; Gaps 14;

Cy 12 GGSFDIRRLTPQV-----YARAVCLVFLIVFSC----- 43
Db 30 GGMHVRPMLSQPAVSFPFDEILHFYKTPSPGVIRILSMILITMCIATFACVASTLAW 89
Cy 44 -----YGEYSNAHESKQWCVFNNEDACRYGSAIGYLA 79
Db 90 DRGYSILGSGSVGYPGSGSGSGYGYGYGYGYTDPRAKGMALMAAFCE 149
Cy 80 LSAFPLVVDAYFPQISNATDRKLV-----VIGDLFSALMTFLMFVGF 122
Db 150 IALVIFVTSVIRSEMSR-TRRYLVSVIIVSAILIGIMVEIA--TIVYIMGNPTAOGSGS 206
Cy 123 -----FCFPLTQ-----MAVTNPKQVLVGADSVRAITFSPFSIFSWG 160
Db 207 LVGSQYVLCNQFPYPAATGLYVDQYLHYCVDPQEQAI-----ALVIGFMIVAF 258
Cy 161 VLASLA-----YQRYKAGVDDFIQNTYVD 184
Db 259 LITFVAVKTRRMDRDXSNITIMDKHLYDEQPPVNEKVAQVSAQTDVSPSPDIYER 318
Cy 185 TPDPTAVAS-----YPCAS-----VNYQGPFTQ--NAETT 215
Db 319 VDSP-WAYSSNGKNDKRFYFSSYKSTPVEVVGELPLTSPVDVDFRQPRYSSGNETP 377
Cy 216 EGYQP 220
Db 378 SKRAP 382

RESULT 12
US-08-945-826-2
; Sequence 2, Application US/08945826
; Patent No. 6489460
; GENERAL INFORMATION:

```



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GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Hillman, Jennifer L.
APPLICANT: Bandman, Olga
APPLICANT: Shah, Purvi
APPLICANT: Au-Young, Janice
APPLICANT: Yue, Henry
APPLICANT: Guegler, Karl J.
APPLICANT: Corley, Neil C.
TITLE OF INVENTION: HUMAN REGULATORY MOLECULES
NUMBER OF SEQUENCES: 98
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/933,750C
FILING DATE: September 23, 1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0356 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 419 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: BLADNOT03
CLONE: 1600438
US-08-933-750C-30

Query Match 7.1%; Score 84; DB 2; Length 419;
Best Local Similarity 19.2%; Pred. No. 0.66; Indels 44; Gaps 5;
Matches 43; Conservative 38; Mismatches 99;

QY 1 MEGAYGAAGAAGSFDLRFLTOPQVAVACVLPALIVSCYGEYSNAHESKQM--- 57
DB 45 LEAVAKFLDSTGSLDPRRYAD-----TLFDILVAGSLAPGRTIDGDKTKMT 94
QY 58 -YCVFNRNEDACRYGSAIGVLAFASAFPLVVDAYFPQISNATDRKYLIGDLLFSALMT 116
DB 95 NHCVFSANEDHETIRN-----YAQVFNKILIRYKYLEKAFEDEMK 135
QY 117 FLMFVGFCLTNQAVTNPKVDLVGADSVRAAITFSFF--SIFSWGVLASLAVQRYKAGV 174
DB 136 LLFLFKAFSETEQTKLMLSGIILGNGTLPATILTSIFTSLVYEGIASFAVKLFKAMM 195
QY 175 DDFTQNVVDPPTPDNTAVASYPGASVDVNYQOPPTQNAETTEGY 218
DB 196 AE-----KQANSVTSSLRKANDKRLLEFPVNRQGVDF 230

RESULT 15
US-09-234-613-30
; Sequence 30, Application US/09234613
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Patent No. 6132973
GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Hillman, Jennifer L.
APPLICANT: Bandman, Olga
APPLICANT: Shah, Purvi
APPLICANT: Au-Young, Janice
APPLICANT: Yue, Henry
APPLICANT: Guegler, Karl J.
APPLICANT: Corley, Neil C.
TITLE OF INVENTION: HUMAN REGULATORY MOLECULES
NUMBER OF SEQUENCES: 98
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/234,613
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/933,750
FILING DATE: September 23, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0356 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 419 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: BLADNOT03
CLONE: 1600438
US-09-234-613-30

Query Match 7.1%; Score 84; DB 3; Length 419;
Best Local Similarity 19.2%; Pred. No. 0.66; Indels 44; Gaps 5;
Matches 43; Conservative 38; Mismatches 99;

QY 1 MEGAYGAAGAAGSFDLRFLTOPQVAVACVLPALIVSCYGEYSNAHESKQM--- 57
DB 45 LEAVAKFLDSTGSLDPRRYAD-----TLFDILVAGSLAPGRTIDGDKTKMT 94
QY 58 -YCVFNRNEDACRYGSAIGVLAFASAFPLVVDAYFPQISNATDRKYLIGDLLFSALMT 116
DB 95 NHCVFSANEDHETIRN-----YAQVFNKILIRYKYLEKAFEDEMK 135
QY 117 FLMFVGFCLTNQAVTNPKVDLVGADSVRAAITFSFF--SIFSWGVLASLAVQRYKAGV 174
DB 136 LLFLFKAFSETEQTKLMLSGIILGNGTLPATILTSIFTSLVYEGIASFAVKLFKAMM 195
QY 175 DDFTQNVVDPPTPDNTAVASYPGASVDVNYQOPPTQNAETTEGY 218
DB 196 AE-----KQANSVTSSLRKANDKRLLEFPVNRQGVDF 230

Search completed: April 7, 2004, 11:58:58
Job time : 24 secs
```


Db 85 CGGCGGAGGCGGCGGAGCATGAGAGCGGGGCTACGGCGCGGCGCAAGGCGG 144
QY 86 CGGCTCTTTCAGCTCTGGGCGCTCTTTCAGAGCGCGGAGGAGGCGGCGGCTGTG 145
Db 145 CGGCTCTTTCAGCTCTGGGCGCTCTTTCAGAGCGCGGAGGAGGCGGCGGCTGTG 204
QY 146 CTGTGCTCTTTCAGCTCTGGGCGCTCTTTCAGAGCGCGGAGGAGGCGGCTGTG 205
Db 205 CTGTGCTCTTTCAGCTCTGGGCGCTCTTTCAGAGCGCGGAGGAGGCGGCTGTG 264
QY 206 CGAGCTCAGAGCATGATGATGATGATGATGATGATGATGATGATGATGATGATG 265
Db 265 CGAGCTCAGAGCATGATGATGATGATGATGATGATGATGATGATGATGATG 324
QY 266 TGCGATCGGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGG 325
Db 325 TGCGATCGGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGG 384
QY 326 CCCCCAGATCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 385
Db 385 CCCCCAGATCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 444
QY 386 AGCTCTCTGAGCCTCTCTGAGCTTGTGAGCTTGTGAGCTTGTGAGCTTGTGAG 445
Db 445 AGCTCTCTGAGCCTCTCTGAGCTTGTGAGCTTGTGAGCTTGTGAGCTTGTGAG 504
QY 446 CACCAACCCGAGAGCAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 505
Db 505 CACCAACCCGAGAGCAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 564
QY 506 CTCTCTTTCAGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 565
Db 565 CTCTCTTTCAGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 624
QY 566 TGGGCTGAGCAGCTTCCAGATTACGTTGAGCCTCCGAGCCTCCGAGCCTCCGAG 625
Db 625 TGGGCTGAGCAGCTTCCAGATTACGTTGAGCCTCCGAGCCTCCGAGCCTCCGAG 684
QY 626 CGGCTCTTACCCAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 685
Db 685 CGGCTCTTACCCAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 744
QY 686 GAGAGACCCGAGAGGCTTACAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 745
Db 745 GAGAGACCCGAGAGGCTTACAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 804
QY 746 GGGGACAGAGAGGCGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 805
Db 805 GGGGACAGAGAGGCGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 864
QY 806 AGCCCTCTCTTTCAGCTTTCAGCTTTCAGCTTTCAGCTTTCAGCTTTCAGCTTTC 865
Db 865 AGCCCTCTCTTTCAGCTTTCAGCTTTCAGCTTTCAGCTTTCAGCTTTCAGCTTTC 924
QY 866 GCTGTGCGGGGCTGTGCGAGAGCCACACCCCAAGTGTGTGTGTGTGTGTGTGT 910
Db 925 GCTGTGCGGGGCTGTGCGAGAGCCACCCCAAGTGTGTGTGTGTGTGTGTGT 969

RESULT 2
US-09-227-357-83
; Sequence 83, Application US/09227357
; Patent No. 6342581
; GENERAL INFORMATION:
; APPLICANT: Fischer et al.
; TITLE OF INVENTION: 123 Human Secreted Proteins
; FILE REFERENCE: P2010P1
; CURRENT APPLICATION NUMBER: US/09/227,357
; EARLIER FILING DATE: 1999-01-08
; EARLIER APPLICATION NUMBER: PCT/US98/13684
; EARLIER FILING DATE: 1998-07-07
; EARLIER APPLICATION NUMBER: 60/051,926
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,793
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,925
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,929
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,803
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,732
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,931
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,932
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,916
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,930
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,918
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,920
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,733
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,795
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,919
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,928
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/055,722
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,723
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,948
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,949
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,953
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,950
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,947
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,964
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/056,360
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,684
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,984
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,954
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/058,785
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,664
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,660
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,661
; EARLIER FILING DATE: 1997-09-12
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 83
; LENGTH: 1977
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (664)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:

NAME/KEY: SITE
LOCATION: (716)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: SITE
LOCATION: (1319)
OTHER INFORMATION: n equals a,t,g, or c
US-09-227-357-83

Query Match 41.9%; Score 633; DB 4; Length 1977;
Best Local Similarity 99.5%; Pred. No. 8,7e-296;
Matches 953; Conservative 0; Mismatches 4; Indels 1; Gaps 1;

QY -554 GGGCTCAAGAGCTGGCTGGAGAGCTTCACTCCAGATTACCTGACCCCACTCCGAGACC 613
DB 957 GGGCTCAAGAGCTGGCTGGAGAGCTTCACTCCAGATTACCTGACCCCACTCCGAGACC 1016
QY 614 CAACACTGCTTACGCTCTTACCCAGGTGATCTGTGACAACTACCAAGCCACTT 673
DB 1017 CAACACTGCTTACGCTCTTACCCAGGTGATCTGTGACAACTACCAAGCCACTT 1076
QY 674 CACCCAGAGCGGAGAGACCAAGGCTACAGAGGCGGCGGCTGTACTGTAGTGGGCGT 733
DB 1077 CACCCAGAGCGGAGAGACCAAGGCTACAGAGGCGGCGGCTGTACTGTAGTGGGCGT 1136
QY 734 TAGCGTGGAGAGGAGGAGAGAGAGGCGCTCCCTCTGCTGCACTTTCCTCATAGCT 793
DB 1137 TAGCGTGGAGAGGAGGAGAGAGAGGCGCTCCCTCTGCTGCACTTTCCTCATAGCT 1196
QY 794 CCTGGAAGCTGAGAGGCGCTCTTCACTGTTGATCTGTGAGCTGAGACACAGCTA 853
DB 1197 CCTGGAAGCTGAGAGGCGCTCTTCACTGTTGATCTGTGAGCTGAGACACAGCTA 1256
QY 854 AGAGAGCTTATACCTTGGGCGGAGCTGAGAGCCACACCCCAAGTGCCTGTGCCAGAG 913
DB 1257 AGAGAGCTTATACCTTGGGCGGAGCTGAGAGCCACACCCCAAGTGCCTGTGCCAGAG 1316
QY 914 GGGCTCAAGAGCTGGCTTCACTCCAGAGGACCTTTTGAAGAGGTTTATAGTAGT 973
DB 1317 GGGCTCAAGAGCTGGCTTCACTCCAGAGGACCTTTTGAAGAGGTTTATAGTAGT 1376
QY 974 TTTTCTGCTTTTATGACTCAGCCCGCTGAGTGGCTAGAGGACAGAGGCTGCC 1033
DB 1377 TTTTCTGCTTTTATGACTCAGCCCGCTGAGTGGCTAGAGGACAGAGGCTGCC 1436
QY 1034 ATGTGCTACTGACAGTGTCTCAGCTTCCCGGCGGAGCTGAGGCTGAGAGCGCT 1093
DB 1437 ATGTGCTACTGACAGTGTCTCAGCTTCCCGGCGGAGCTGAGGCTGAGAGCGCT 1496
QY 1094 ATTATCTGCTTCTCTGCAAGAGCTGCTGGGAGGAGCATCACCTGAGCTGTGAGCGGA 1153
DB 1497 ATTATCTGCTTCTCTGCAAGAGCTGCTGGGAGGAGCATCACCTGAGCTGTGAGCGGA 1556
QY 1154 GCGGAGACAGGCTCTTGTGTCTCACTCAGTTTGTCTTCCCTGTGAGGCTGCTGTATG 1213
DB 1557 GCGGAGACAGGCTCTTGTGTCTCACTCAGTTTGTCTTCCCTGTGAGGCTGCTGTATG 1616
QY 1214 ATCTGGGAGGAGCAAGCTGTGCTGGGCTGCTGGGCTGCTGCTGCTGCTGCTGCTGCTG 1273
DB 1617 ATCTGGGAGGAGCAAGCTGTGCTGGGCTGCTGGGCTGCTGCTGCTGCTGCTGCTGCTG 1676
QY 1274 GGGCTGTGTCTCATGAGCACTTCTCTTGTGCTCCACCCCTGTGAGAGGAGGCTTTG 1333
DB 1677 GGGCTGTGTCTCATGAGCACTTCTCTTGTGCTCCACCCCTGTGAGAGGAGGCTTTG 1735
QY 1334 CCTGACAGACGAGCTTATATATATCTGAGGTTGTTACTATAGGAAGCTGTGGAGAG 1393
DB 1736 CCTGACAGACGAGCTTATATATATCTGAGGTTGTTACTATAGGAAGCTGTGGAGAG 1795
QY 1394 GGCAGAGGAGTCCCACTGCTTCCAGACTGTGTCTGTGTGCGAGTGTATATATATATAT 1453
DB 1796 GGCAGAGGAGTCCCACTGCTTCCAGACTGTGTCTGTGTGCGAGTGTATATATATATATAT 1855

QY 1454 GGGAGATGCCCGGCTGGAGTGTGTGGAGAGCGGAATTAATGTTTCTCATTA 1511
DB 1856 GGGAGATGCCCGGCTGGAGTGTGTGGAGAGCGGAATTAATGTTTCTCATTA 1913

RESULT 3
US-09-640-173-135
Sequence 135, Application US/09640173
Patent No. 6613515
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
TITLE OF INVENTION: OVARIAN TUMOR SEQUENCES AND
TITLE OF INVENTION: METHODS OF USE THEREFOR
FILE REFERENCE: 210121.484C2
CURRENT APPLICATION NUMBER: US/09/640,173
CURRENT FILING DATE: 2000-08-15
NUMBER OF SEQ ID NOS: 196
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 135
LENGTH: 396
TYPE: DNA
ORGANISM: Homo sapien
US-09-640-173-135

Query Match 22.3%; Score 337; DB 4; Length 396;
Best Local Similarity 100.0%; Pred. No. 6.3e-153;
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 928 GCTCAGCTCCCGAGGAGCACTTTAGGAAGGTTTACTAGTGTTCCTCCGCTTT 987
DB 60 GCTCAGCTCCCGAGGAGCACTTTAGGAAGGTTTACTAGTGTTCCTCCGCTTT 119
QY 988 AATGACCTACGCGCGCTGAGTGTGAGAGCAGAGTGCCTGCTACTAGACA 1047
DB 120 AATGACCTACGCGCGCTGAGTGTGAGAGCAGAGTGCCTGCTACTAGACA 179
QY 1048 AGTGTCTCAGCTTCCCGCGGCTGAGGCTGAGGCGGCTGATATCTGCTTCT 1107
DB 180 AGTGTCTCAGCTTCCCGCGGCTGAGGCTGAGGCGGCTGATATCTGCTTCT 239
QY 1108 CTGCAAGAGCTGAGGAGGAGCATCACCTGCTGTGAGAGGAGCGGAGCTC 1167
DB 240 CTGCAAGAGCTGAGGAGGAGCATCACCTGCTGTGAGAGGAGCGGAGCTC 299
QY 1168 TTGTGTCTCAGCTGAGTTTGTTCCTGCTGTGAGAGCTGCTGTATATCTGGGAGCT 1227
DB 300 TTGTGTCTCAGCTGAGTTTGTTCCTGCTGTGAGAGCTGCTGTATATCTGGGAGCT 359
QY 1228 ACCCTGAGCGGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCT 1264
DB 360 ACCCTGAGCGGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCT 396

RESULT 4
US-09-713-550-135
Sequence 135, Application US/09713550
Patent No. 6617109
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484C4
CURRENT APPLICATION NUMBER: US/09/713,550
CURRENT FILING DATE: 2000-11-14
NUMBER OF SEQ ID NOS: 205
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 135
LENGTH: 396
TYPE: DNA
ORGANISM: Homo sapien
US-09-713-550-135

Query Match 22.3%; Score 337; DB 4; Length 396;
Best Local Similarity 100.0%; Pred. No. 6.3e-153;
Matches 337; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 928 GCTCACTCTCCAGAGGACCTTTTAGAAGAGGTTTATAGTATTTTCTGCTTTT 987
DB 60 GCTCACTCTCCAGAGGACCTTTTAGAAGAGGTTTATAGTATTTTCTGCTTTT 119
QY 988 AATGACCTAGCCCGCCCTGAGTGGCTTGAAGCAGAGGCGCCATGTCTATGACA 1047
DB 120 AATGACCTAGCCCGCCCTGAGTGGCTTGAAGCAGAGGCGCCATGTCTATGACA 179
QY 1048 AGTGCTCAGCTTCCCGCCCGCGGTCAGGCGGTGAGGAGCGGTATATCTGCGTTCT 1107
DB 180 AGTGCTCAGCTTCCCGCCCGCGGTCAGGCGGTGAGGAGCGGTATATCTGCGTTCT 239
QY 1108 CTGCCAAGACTGTGGGGGCGCATCACTTGGCTTGTGACAGGACCGGACCGAGCTC 1167
DB 240 CTGCCAAGACTGTGGGGGCGCATCACTTGGCTTGTGACAGGACCGGACCGAGCTC 299
QY 1168 TTGTGTCTCACTCAGATTGCTTCCCTGTGCGCCACTGTGTATATCTGAGGCGCAC 1227
DB 300 TTGTGTCTCACTCAGATTGCTTCCCTGTGCGCCACTGTGTATATCTGAGGCGCAC 359
QY 1228 ACCCTGTGCGGTGGCTTCTTGGGCTGCTCCCGTGTGT 1264
DB 360 ACCCTGTGCGGTGGCTTCTTGGGCTGCTCCCGTGTGT 396

RESULT 5
US-08-700-637-5
Sequence 5, Application US/08700637
Patent No. 5854413

GENERAL INFORMATION:
APPLICANT: Hawkins, Phillip R.
APPLICANT: Stuart, Susan G.
APPLICANT: Murry, Lynn E.
TITLE OF INVENTION: NOVEL SYNAPTOGYRIN HOMOLOG FROM COLON
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: U.S.
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/700,637
FILING DATE: Filed Herewith
ATTORNEY/AGENT INFORMATION:
NAME: Luther, Barbara J.
REGISTRATION NUMBER: 33,954
REFERENCE/DOCKET NUMBER: PF-0065 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-852-0195
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 232 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
LIBRARY: TMLR2DT01
CLONE: 392250
US-08-700-637-5

Query Match 11.6%; Score 176; DB 2; Length 232;
Best Local Similarity 99.6%; Pred. No. 3.2e-75;
Matches 226; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 72 GCGGCCAAGCGCGCGCTCTTCCAGACTGCGGCGCTTCTTACGAGCCGCGAGGTG 131
DB 1 GCGGCCAAGCGCGCGCTCTTCCAGACTGCGGCGCTTCTTACGAGCCGCGAGGTG 60
QY 132 GCGGCGCGCGGTGTGCTTGTGCTTCCGCTTATCGTGTCTCTGCACTATATGATGAG 191
DB 61 GCGGCGCGCGGTGTGCTTGTGCTTCCGCTTATCGTGTCTCTGCACTATATGATGAG 120
QY 192 TACAGCAATCCCAAGAGTATTAAGCAAGATGACTGCGGTTCACCGCAACGAGATGCC 251
DB 121 TACAGCAATCCCAAGAGTATTAAGCAAGATGACTGCGGTTCACCGCAACGAGATGCC 180
QY 252 TGCGGCTATGAGCAGTGCATCGGAGGTGCTGAGCCTTCTGAGCGCTCGGC 298
DB 181 TGCGGCTATGAGCAGTGCATCGGAGGTGCTGAGCCTTCTGAGCGCTCGGC 227

RESULT 6
US-08-700-637-10
Sequence 10, Application US/08700637
Patent No. 5854413

GENERAL INFORMATION:
APPLICANT: Hawkins, Phillip R.
APPLICANT: Stuart, Susan G.
APPLICANT: Murry, Lynn E.
TITLE OF INVENTION: NOVEL SYNAPTOGYRIN HOMOLOG FROM COLON
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: U.S.
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/700,637
FILING DATE: Filed Herewith
ATTORNEY/AGENT INFORMATION:
NAME: Luther, Barbara J.
REGISTRATION NUMBER: 33,954
REFERENCE/DOCKET NUMBER: PF-0065 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-852-0195
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 230 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
LIBRARY: BRAITUT02
CLONE: 754306
US-08-700-637-10

Query Match 10.5%; Score 159; DB 2; Length 230;
Best Local Similarity 100.0%; Pred. No. 5.1e-67;
Matches 159; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 126 GTGTGTGGCGCGCGCGGTGTGCTTGTGCTTATGCTGTCTCTGCACTATATGCT 185
DB 72 GTGTGTGGCGCGCGCGGTGTGCTTGTGCTTATGCTGTCTCTGCACTATATGCT 131

APPLICANT: Stuart, Susan G.
APPLICANT: Murry, Lynn E.
TITLE OF INVENTION: NOVEL SYNAPTOGYRIN HOMOLOG FROM COLON
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: U.S.
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/700,637
FILING DATE: Filed Herewith
ATTORNEY/AGENT INFORMATION:
NAME: Luther, Barbara J.
REGISTRATION NUMBER: 33,954
REFERENCE/DOCKET NUMBER: PF-0065 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-852-0195
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 272 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
LIBRARY: MER2DT01
CLONE: 476266
US-08-700-637-6

Query Match 8.0%; Score 121; DB 2; Length 272;

Best Local Similarity 100.0%; Pred. No. 1.1e-48; Indels 0; Gaps 0;
Matches 121; Conservative 0; Mismatches 0;

QY 118 AGCGGAGGTGGTGGCGGCGCGGTGCTTGGCTTTCGCTGATCGTGTCTCTGCA 177
DB 83 AGCGGAGGTGGTGGCGGCGCGGTGCTTGGCTTTCGCTGATCGTGTCTCTGCA 142
QY 178 TCTATGTTAGGGCTACAGCAATGCCAGAGTCTAAGCAGATGCTGCTTCAACC 237
DB 143 TCTATGTTAGGGCTACAGCAATGCCAGAGTCTAAGCAGATGCTGCTTCAACC 202
QY 238 G 238
DB 203 G 203

RESULT 10
US-08-700-637-12
Sequence 12, Application US/08700637
Patent No. 5854413
GENERAL INFORMATION:
APPLICANT: Hawkins, Phillip R.
APPLICANT: Murry, Susan G.
APPLICANT: Murry, Lynn E.
TITLE OF INVENTION: NOVEL SYNAPTOGYRIN HOMOLOG FROM COLON
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: U.S.
ZIP: 94304
COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/700,637
FILING DATE: Filed Herewith
ATTORNEY/AGENT INFORMATION:
NAME: Luther, Barbara J.
REGISTRATION NUMBER: 33,954
REFERENCE/DOCKET NUMBER: PF-0065 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-852-0195
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 339 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
LIBRARY: LUNGAST01
CLONE: 868416
US-08-700-637-12

Query Match 6.2%; Score 93; DB 2; Length 339;
Best Local Similarity 100.0%; Pred. No. 3.7e-35; Indels 0; Gaps 0;
Matches 93; Conservative 0; Mismatches 0;

QY 158 CTGATGCTGTTCTCTGTCATCTATGTTGAGGGCTACAGCAATGCCAGAGTCAAGCA 217
DB 112 CTGATGCTGTTCTCTGTCATCTATGTTGAGGGCTACAGCAATGCCAGAGTCAAGCA 171
QY 218 GATGACTGCGTGTTCACCGCAACGAGATGC 250
DB 172 GATGACTGCGTGTTCACCGCAACGAGATGC 204

RESULT 11

US-09-621-976-18432
Sequence 18432, Application US/09621976

PATENT NO. 6639063
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Jobert, S.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: ESTs and Encoded Human Proteins.
FILE REFERENCE: GENSET.054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 18432
LENGTH: 115
TYPE: DNA
ORGANISM: Homo sapiens
US-09-621-976-18432

Query Match 5.3%; Score 80; DB 4; Length 115;
Best Local Similarity 100.0%; Pred. No. 6.9e-29; Indels 0; Gaps 0;
Matches 80; Conservative 0; Mismatches 0;

QY 1432 CGAGTGATTTAAATATGTTGGGGAAGTCCCGCTGGGATCTGTTTGGAGACGGA 1491
DB 1 CGAGTGATTTAAATATGTTGGGGAAGTCCCGCTGGGATCTGTTTGGAGACGGA 60
QY 1492 TAAATGTTTCTCATTTCAA 1511
DB 61 TAAATGTTTCTCATTTCAA 80

RESULT 12

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US-09-621-976-18433
Sequence 18433. Application US/09621976
Patent No. 6639063
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Ubbert, S.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: ESTs and Encoded Human Proteins
FILE REFERENCE: GENSET. 054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ. ID NOS: 19335
SOFTWARE: Patent .pm
SEQ. ID NO 18433
LENGTH: 134
TYPE: DNA
ORGANISM: Homo sapiens
US-09-621-976-18433

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Query Match      5.3%; Score 80; DB 4; Length 134;
Best Local Similarity 100.0%; Pred. No. 6.9e-29;
Matches 80; Conservative 0; Mismatches 0; Indels 0; Gaps 0

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Dy 1452 CGAGTGTATTATAAATCGTGGGGAGATCCCGGCCCTGGGATGCTGTTTGGACGGA 149

Dd 1 CGAGTGTATTATAAATCGTGGGGAGATCCCGGCCCTGGGATGCTGTTTGGACGGA 60

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Qy      1492 TAAATGTTTCTCATTCAAA 1511
          |||||
Db      61 TAAATGTTTCTCATTCAAA 80

```

RESULT 13
US-09-621-976-18434
Sequence 18434, Application US/09621976

```

1  GENERAL INFORMATION:
2  APPLICANT: Dumas Milne Edwards, J.B.
3  APPLICANT: Jobert, S.
4  APPLICANT: Giordano, J.Y.
5  TITLE OF INVENTION: EST's and Encoded Human Proteins
6  FILE REFERENCE: GENEST.054PR2
7  CURRENT APPLICATION NUMBER: US/09/621,976
8  CURRENT FILING DATE: 2000-07-21
9  NUMBER OF SEQ ID NOS: 19335
10 SOFTWARE: Patent.pm
11 SEQ ID NO 16434
12 LENGTH: 137
13 TYPE: DNA
14 ORGANISM: Homo sapiens
15 US-09-621,976-18434

```

Query Match 5.3%; Score 80; DB 4; Length 137;
Best Local Similarity 100.0%; Pred. No. 6.9e-29;
Matches 80; Conservative 0; Mismatches 0; Gaps 0;

QY 1432 CGAGTGTATTATATAATCGTGGGGAGATGCCCGGCTGGGATCTGTTTGAGACGGAA 1491
|||||
Db 1 CGAGTGTATTATATAATCGTGGGGAGATGCCCGGCTGGGATCTGTTTGAGACGGAA 60

QY	1492 TAAATGTTTCTCATTCAAA	1511
Dd	61 TAAATGTTTCTCATTCAAA	80

RESULT 14
US-08-700-637-8
; Sequence 8, Application US/08700633-8
; Patent No. 5854413
; GENERAL INFORMATION:
; APPLICANT: Hawtine, Phillip R.
; APPLICANT: Stuart, Susan G.
; APPLICANT: Murry, Lynn E.

? TITLE OF INVENTION: NOVEL SYNAPTOGYRIN HOMOLOG FROM COLON
 ? NUMBER OF SEQUENCES: 12
 ? CORRESPONDENCE ADDRESS:
 ? ADDRESSEE: Incyte Pharmaceuticals, Inc.
 ? STREET: 3174 Porter Drive
 ? CITY: Palo Alto
 ? STATE: CA
 ? COUNTRY: U.S.
 ? ZIP: 94304
 ? COMPUTER READABLE FORM:
 ? MEDIUM TYPE: Diskette
 ? COMPUTER: IBM Compatible
 ? OPERATING SYSTEM: DOS
 ? SOFTWARE: FastSeq Version 1.5
 ? CURRENT APPLICATION DATA:
 ? APPLICATION NUMBER: US/08/700,637
 ? FILING DATE: Filed Herewith
 ? ATTORNEY/AGENT INFORMATION:
 ? NAME: Luther, Bairdara J.
 ? REGISTRATION NUMBER: 33,954
 ? REFERENCE/DOCKET NUMBER: PF-0065 US
 ? TELECOMMUNICATION INFORMATION:
 ? TELEPHONE: 415-855-0555
 ? TELEFAX: 415-852-0195
 ? INFORMATION FOR SEQ ID NO: 8:
 ? SEQUENCE CHARACTERISTICS:
 ? LENGTH: 192 base pairs
 ? TYPE: nucleic acid
 ? STRANDEDNESS: single
 ? TOPOLOGY: linear
 ? MOLECULE TYPE: cDNA
 ? IMMEDIATE SOURCE:
 ? LIBRARY: LUNGtUT02
 ? CLONE: 693335
 ? IS-08-700-637-8

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Query Match          4.8%; Score 73; DB 2; length 192;
Best Local Similarity 99.2%; Pred. No. 1.7e-25;
Matches 123; Conservative 0; Mismatches 1; Indels 0; Gaps 0.

```

QY 126 GGGGTGCGCGCGCCGNTGCTTGGTCTTCGACCTTGATGCTGTTCTCCGATCATGGT 185
|||
Db 56 GTGGTGGCGCGCGCCGNTGCTTGGTCTTCGACCTTGATGCTGTTCTCCGATCATATGGT 115

Dy 186 GAGGGCTTACAGCATGCCACGAGCTTAAGCAGATGTACTGCCTTTCAACCGCACGAG 245
|||
Db 116 GAGGGCTTACAGCATGCCACGAGCTTAAGCAGATGTACTGCCTTTCAACCGCACGAG 175

QY	246	GATG	249
Db	176	GATG	179

```

RESULT 15
US-09-443-199C-751
/ Sequence 751, Application US/09443199C
/ Patent No. 6670464
/ GENERAL INFORMATION:
/ APPLICANT: Shimkels, Richard A.
/ APPLICANT: Leach, Martin
/ TITLE OF INVENTION: Nucleic Acids Containing Single Nucleotides
/ TITLE OF INVENTION: Polymorphisms and Methods of Use Thereof
/ FILE REFERENCE: 15966-534A
/ CURRENT APPLICATION NUMBER: US/09/443,199C
/ PRIORITY FILING DATE: 1999-11-16
/ PRIOR APPLICATION NUMBER: 60/109,024
/ PRIORITY FILING DATE: 1999-11-17
/ NUMBER OF SEQ ID NOS: 1272
/ SOFTWARE: Curagen Patent Formatter Version 0.9
/ SEQ ID NO 751
/ LENGTH: 51
/ TYPE: DNA
/ ORGANISM: Homo sapiens

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; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (26)...(0)
; OTHER INFORMATION: 1 of 2 allelic variants (752 is other entry)
; NAME/KEY: misc_feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: Accession number cg43921107
US-09-443-199C-751
```

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Query Match 3.4%; Score 51; DB 4; Length 51;
Best Local Similarity 100.0%; Pred. No. 6.8e-15;
Matches 51; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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OY 274 GGGTGTGGCCCTTCTGGCTGGCCCTTCTTGTGGTGGACGGCTATT 324
Db 1 GGGTGTGGCCCTTCTGGCTGGCCCTTCTTGTGGTGGACGGCTATT 51
```

Search completed: April 8, 2004, 13:45:49
Job time : 139 secs